

## Onco-Ref™ FFPE Cell Scroll Reference Standard AKT1 c.49G>A p.E17K COSM33765

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| <b>Catalog Number:</b>       | <b>ASE-6061S</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description:</b>          | The Onco-Ref™ FFPE Cell Scroll is a biologically-relevant molecular reference standard that can be directly incorporated into your sample processing workflows to optimize protocols, evaluate assay sensitivity and specificity, and analyze the impact of workflow changes on downstream analysis.                                                                                                                                                                                                                                                                                                                         |
| <b>Gene Name:</b>            | AKT1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Mutation Id:</b>          | COSM33765                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Nucleotide Change:</b>    | c.49G>A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Amino Acid Change:</b>    | p.E17K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Frequency:</b>            | Homozygous                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Size:</b>                 | 1 scroll                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Format:</b>               | FFPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Volume/Dimension:</b>     | 20 µm section with a 7.0 mm diameter cell pellet core                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Quantity:</b>             | n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Concentration:</b>        | > 400 ng /scroll                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Cell(s):</b>              | HCT116                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Shelf Life:</b>           | 36 months                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Shipping Temperature:</b> | Ambient                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Fixation Process:</b>     | 10% buffered formalin solution (4% formaldehyde); 24 hrs; room temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage Temperature:</b>  | -20°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Quality Control:</b>      | Genotype: Sanger sequencing of locus-specific PCR (cell line)<br>Quality: > 60% cell density (H&E staining of 5µm cell slide)<br>Manufacturing: ISO 9001:2015 and ISO 13485:2016 Certified                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Regulatory:</b>           | For Research Use Only. Not intended for human or animal diagnostics or therapeutics.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Restrictions:</b>         | This is a limited use product. This product, any material that contains this product in whole or in part, any progeny, modification or derivative of this product, any cell or animal made or modified by using this product, and any progeny, modification or derivative of such cell or animal may not be transferred by the purchaser to any other person, entity or any of the above to perform services for the benefit of any other person or entity or for commercial purpose of any kind. This product may only be used by the purchaser for its internal research for use as a research tool for research purposes. |

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