

Manufacturing Quality
ISO 9001:2015
ISO 13485:2016

## Certificate of Analysis

**Onco-Ref™ Genomic DNA Reference Standard TP53 c.469G>T p.V157F  
COSM10670**

### Product Information

<b>Catalog Number:</b>	ASE-6195G-1
<b>Lot Number:</b>	G195191113
<b>Expiration Date:</b>	2021-11-12
<b>Quantity/Volume/Size:</b>	1 µg / 20 µl / 1 vial
<b>Gene Name:</b>	TP53
<b>Nucleotide Change:</b>	c.469G>T
<b>Amino Acid Change:</b>	p.V157F
<b>Mutation Id:</b>	COSM10670
<b>Cell:</b>	HCT116
<b>Storage Temperature:</b>	-20°C
<b>Shipping Temperature:</b>	Ambient
<b>Instructions for Use:</b>	Refer to product Datasheet (Available <a href="http://www.accuref.com">www.accuref.com</a> )
<b>Intended Use:</b>	Research Use Only. Not Intended for human or animal diagnostic or therapeutic use.

### Quality Control

Test	Method	Acceptance Criteria	Result
<b>Quantification</b>	Qubit 4.0 Fluorometer	50 -60 ng /µl	PASS
<b>Genotype-LS</b>	Sanger Sequencing	Locus Specific PCR	PASS
<b>DNA Purity</b>	Nanodrop	A260/280 Ratio Between 1.8 to 2	PASS
<b>DNA Quality</b>	Gel Electrophoresis	A tight band of 10-20 Kb on the gel without a smear	PASS

AccuRef Diagnostics certifies that this standard meets the specifications stated in this certificate and warrants this product to meet the stated acceptance criteria through the expiration date when stored unopened as recommended.

	2019-11-20
<b>Quality Assurance</b>	<b>Date</b>

COA-ASE-6195G-1-V2