

Certificate of Analysis

**Onco-Ref™ Genomic DNA Reference Standard HRAS c.37G>C p.G13R
COSM486**

Manufacturing Quality

ISO 9001:2015

ISO 13485:2016

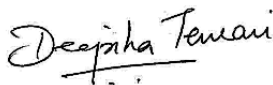
Product Information

Catalog Number:	ASE-6078G-1
Lot Number:	E6078G292122-1
Expiration Date:	2020-10-10
Quantity/Volume/Size:	1 µg / 20 µl / 1 vial
Gene Name:	HRAS
Nucleotide Change:	c.37G>C
Amino Acid Change:	p.G13R
Mutation Id:	COSM486
Cell:	HCT116
Storage Temperature:	-20°C
Shipping Temperature:	Ambient
Instructions for Use:	Refer to product Datasheet (Available www.accuref.com)
Intended Use:	For Research Use Only. Not intended for human or animal diagnostics or therapeutics.

Quality Control

Test	Method	Acceptance Criteria	Result
Genotyping	Sanger Sequencing	Homozygous	PASS
Quality	Gel Electrophoresis	No Smear	PASS
Quantification	Qubit 4.0 Fluorometer	50 -60 ng /µl	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.

	2018-10-17
Quality Assurance	Date

COA-ASE-6078G-1-V2