

Manufacturing Quality

ISO 9001:2015

ISO 13485:2016

Certificate of Analysis

**Onco-Ref™ Genomic DNA Reference Standard HRAS c.35G>A p.G12D
COSM484**

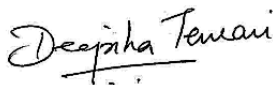
Product Information

Catalog Number:	ASE-6077G-1
Lot Number:	E6077G292126-1
Expiration Date:	2020-10-14
Quantity/Volume/Size:	1 µg / 20 µl / 1 vial
Gene Name:	HRAS
Nucleotide Change:	c.35G>A
Amino Acid Change:	p.G12D
Mutation Id:	COSM484
Cell:	HCT116
Storage Temperature:	-20°C
Shipping Temperature:	Ambient
Instructions for Use:	Refer to product Datasheet (Available www.accuref.com)
Intended Use:	Research Use Only. Not Intended for human or animal diagnostic or therapeutic use.

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.

	2018-10-25
Quality Assurance	Date

COA-ASE-6077G-1-V2