

## Onco-Ref™ Mutation Cell Line HRAS c.181C&gt;A p.Q61K COSM496

<b>Catalog Number:</b>	<b>ASE-6079C</b>
<b>Description:</b>	The Onco-Ref™ Mutation Cell Line is a CRISPR/cas9 genetically engineered cancer cell line containing a mutation of interest.
<b>Gene Name:</b>	HRAS
<b>Mutation Id:</b>	COSM496
<b>Nucleotide Change:</b>	c.181C>A
<b>Amino Acid Change:</b>	p.Q61K
<b>Frequency:</b>	Homozygous
<b>Size:</b>	1 vial
<b>Format:</b>	Cell Line
<b>Volume/Dimension:</b>	1 ml
<b>Quantity:</b>	1,000,000 cells
<b>Concentration:</b>	1,000 cells/ µl
<b>Cell(s):</b>	HCT116
<b>Shelf Life:</b>	12 Months
<b>Culture Media:</b>	McCoy's 5a Medium (ATCC # 30-2007) 90%; Fetal Bovine Serum (FBS)10% (Applied StemCell # ASM-5007); 100X Penicillin-Streptomycin (ThermoFisher # 15140-122) 1X
<b>Shipping Temperature:</b>	Dry Ice
<b>Storage Temperature:</b>	Liquid Nitrogen
<b>Quality Control:</b>	Genotype: Sanger sequencing of locus-specific PCR Quality: Serility (mycoplasma sp., fungus and bacteria) Quantity: viability (cell counter) Manufacturing: ISO 9001:2015 and ISO 13485:2016 Certified
<b>Regulatory:</b>	Research Use Only. Not Intended for human or animal diagnostic or therapeutic use.
<b>MTA:</b>	Required
<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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