

Product Name	Recombinant Human Kras (G13D), GST-Tag	<p>SDS-PAGE gel</p> <p>1 2</p> <p>kDa</p> <p>200</p> <p>140</p> <p>110</p> <p>90</p> <p>65</p> <p>55</p> <p>40</p> <p>30</p> <p>20</p> <p>15</p> <p>10</p> <p>1–MW Marker 2–Kras (G13D)</p>
Synonym(s)	KRAS2, RASK2, C-K-RAS, CFC2, KRAS proto-oncogene	
Quantity	50 µg, 100 µg	
GenBank #	NM_004985.5	
UniProt #	P01116, a. a. 2-169	
Mutation	G13D	
Molecular weight	45.997 kDa	
Purity	>90% by SDS-PAGE	
Tag	N-terminal GST Tagged	
Expression Source	E. coli	
Application	Inhibitor Screening, nucleotide exchange assays, enzyme kinetics, and selectivity profiling.	
Formulation	20 mM HEPES, 50 mM NaCl, 10 mM MgCl ₂ , 1 mM DTT, 10% glycerol, pH 7.5	
Storage and Stability	Stable for at least 6 months at -80°C. Avoid freeze/thaw cycles	
Description	Kras is a member of the small G protein RAS family, which are a class of GTPases involved in cell signaling transduction. Kras G13D is present in 1.24% of AACR GENIE cases, with colon adenocarcinoma, colorectal adenocarcinoma, rectal adenocarcinoma, lung adenocarcinoma, and endometrial endometrioid adenocarcinoma having the greatest prevalence	
Reference	<ol style="list-style-type: none"> Hart R and Prlic A. Universal Transcript Archive Repository. Versionuta_20180821. San Francisco CA: Github;2015. The UniProt Consortium. UniProt: a worldwide hub of protein knowledge. <i>Nucleic Acids Research</i>. 2019;47: D506-D515. Liu X, Wu C, Li C, Boerwinkle E. <i>Human Mutation</i>. 2015;37:235-241. The AACR Project GENIE Consortium. <i>Cancer Discovery</i>. 2017;7(8):818-831. Dataset Version 8. 	

Related products:

<u>Product Name</u>	<u>Catalog #</u>	<u>Size</u>
Kras Wild Type (WT), GST-tag	5727-4121G	50 µg, 100 µg
Kras WT, GST-tag, GDP Loaded	5727-WTG-G	50 µg, 100 µg
Kras WT, GST-tag, GppNHp loaded	5727-WTG-GP	50 µg, 100 µg
Kras G12C, His -tag	5727-4122H	50 µg, 100 µg
Kras G12C, GST-tag	5727-4122G	50 µg, 100 µg
Kras G12C, GST-tag, GDP Loaded	5727-4122G -G	50 µg, 100 µg
Kras G12C, GST-tag, GppNHp loaded	5727-4122G -GP	50 µg, 100 µg
Kras G12D, GST-tag	5727-4123G	50 µg, 100 µg
Kras G12D, GST-tag, GDP Loaded	5727-4123G -G	50 µg, 100 µg

Kras G12D, GST-tag, GppNHp loaded	5727-4123G -GP	50 µg, 100 µg
Kras Q61H, GST-tag	5727-7614G	50 µg, 100 µg
Kras Q61H, GST-tag, GDP Loaded	5727-7614G -G	50 µg, 100 µg
Kras Q61H, GST-tag, GppNHp loaded	5727-7614G -GP	50 µg, 100 µg
Kras G12V, GST-tag,	5727-4128G	50 µg, 100 µg
Kras G12V, GST-tag, GDP Loaded	5727-4128G -G	50 µg, 100 µg
Kras G12V, GST-tag, GppNHp loaded	5727-4128G -GP	50 µg, 100 µg
Kras Q61R, GST-tag	5727-7617G	50 µg, 100 µg
Kras Q61R, GST-tag, GDP Loaded	5727-7617G -G	50 µg, 100 µg
Kras Q61R, GST-tag, GppNHp loaded	5727-7617G -GP	50 µg, 100 µg
Human RBD-RAF1, N-His tag, C-FLAG tag	7237231	50 µg, 100 µg
Human SOS1, No tag	7671	50 µg, 100 µg
Human SOS1, Avi-His tag	7671HA	50 µg, 100 µg
Kras WT Nucleotide Exchange Assay Kit	5727-4121NK	384 reactions
Kras G12C Nucleotide Exchange Assay Kit	5727-4122NK	384 reactions
Kras G12D Nucleotide Exchange Assay Kit	5727-4123NK	384 reactions
Kras G12V Nucleotide Exchange Assay Kit	5727-4128NK	384 reactions
Kras Q61H Nucleotide Exchange Assay Kit	5727-7614NK	384 reactions
Kras Q61K Nucleotide Exchange Assay Kit	5727-7615NK	384 reactions
Kras Q61R Nucleotide Exchange Assay Kit	5727-7617NK	384 reactions
Kras WT – cRAF Binding Assay Kit	5727-4121BK	384 reactions
Kras G12C – cRAF Binding Assay Kit	5727-4122BK	384 reactions
Kras G12D– cRAF Binding Assay Kit	5727-4123BK	384 reactions
Kras G12V – cRAF Binding Assay Kit	5727-4128BK	384 reactions
Kras Q61H– cRAF Binding Assay Kit	5727-7614BK	384 reactions
Kras Q61K– cRAF Binding Assay Kit	5727-7615BK	384 reactions
Kras Q61R– cRAF Binding Assay Kit	5727-7617BK	384 reactions
Kras WT/cRAF/CYPA/Inhibitor Assay Kit	5727-4121CK	384 reactions
Kras G12C/cRAF/CYPA/Inhibitor Assay Kit	5727-4122CK	384 reactions
Kras G12D/cRAF/CYPA/Inhibitor Assay Kit	5727-4123CK	384 reactions
Kras G12V/cRAF/CYPA/Inhibitor Assay Kit	5727-4128CK	384 reactions
Kras G13D/cRAF/CYPA/Inhibitor Assay Kit	5727-4133CK	384 reactions
TEV Protease	190001	1,000 Units, 10,000 Units
TEV Protease- His-tag	190001-R	50 ug, 200 ug, 1 mg
TEV Protease- GST-tag	190004-R	50 ug, 200 ug, 1 mg
AiTEV™ Protease	190005-R	50 ug, 200 ug, 1 mg
PreScission Protease (HRV 3C)	190002	1,000 units, 10,000 units
Recombinant SUMO Protease (Ulp1)	190003	1,000 units, 10,000 units
Recombinant YopH	200100	10 ug, 20 ug, 100 ug, 1 mg
Recombinant Biotin Protein Ligase (BirA)	90101	100 ug
Recombinant SortaseA-5M	90201	50 ug, 200ug
Recombinant Mouse Leukemia Inhibitory Factor	11-0001	10 ug, 100 ug
Recombinant Human LIF	12-0002	10 ug, 100 ug, 1 mg
Recombinant Human FGF-basic, Carrier-free	12-0005CFR	50 ug, 100 ug, 500 ug, 1 mg

Products are for research use only and are not intended for human use. We do not sell to patients.