

<b>Product Name</b>	Recombinant Human Kras (G13D), GST-Tag, GppNHp loaded	
<b>Synonym(s)</b>	KRAS2, RASK2, C-K-RAS, CFC2, KRAS proto-oncogene	
<b>Quantity</b>	50 µg, 100 µg	
<b>GenBank #</b>	NM_004985.5	
<b>UniProt #</b>	P01116, a. a. 2-169	
<b>Mutation</b>	G13D	
<b>Molecular weight</b>	45.997 kDa + GppNHp	
<b>Purity</b>	>90% by SDS-PAGE	
<b>Tag</b>	N-terminal GST Tagged	
<b>Expression Source</b>	E. coli	
<b>Application</b>	Inhibitor Screening, nucleotide exchange assays, enzyme kinetics, and selectivity profiling.	
<b>Formulation</b>	20 mM HEPES, 50 mM NaCl, 10 mM MgCl <sub>2</sub> , 1 mM DTT, 10% glycerol, pH 7.5	
<b>Storage and Stability</b>	Stable for at least 6 months at -80°C. Avoid freeze/thaw cycles	1-MW Marker 2-Kras (G13D)+ GppNHp
<b>Description</b>	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	
<b>Reference</b>	<ol style="list-style-type: none"> <li>Hart R and Prlic A. Universal Transcript Archive Repository. Versionuta_20180821. San Francisco CA: Github;2015.</li> <li>The UniProt Consortium. UniProt: a worldwide hub of protein knowledge. <i>Nucleic Acids Research</i>. 2019;47: D506-D515.</li> <li>Liu X, Wu C, Li C, Boerwinkle E. <i>Human Mutation</i>. 2015;37:235-241.</li> <li>The AACR Project GENIE Consortium. <i>Cancer Discovery</i>. 2017;7(8):818-831. Dataset Version 8.</li> </ol>	

**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, 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 G12R, GST-tag,	5727-4127G	50 µg, 100 µg
Kras G12R, GST-tag, GDP Loaded	5727-4127G -G	50 µg, 100 µg
Kras G12R, GST-tag, GppNHp loaded	5727-4127G -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 G13D, GST-tag,	5727-4133G	50 µg, 100 µg
Kras G13D, GST-tag, GDP Loaded	5727-4133G -G	50 µg, 100 µg
Kras G13D, GST-tag, GppNHp loaded	5727-4133G -GP	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 G12R Nucleotide Exchange Assay Kit	5727-4127NK	384 reactions
Kras G12V Nucleotide Exchange Assay Kit	5727-4128NK	384 reactions
Kras G13D Nucleotide Exchange Assay Kit	5727-4133NK	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 G12R– cRAF Binding Assay Kit	5727-4127BK	384 reactions
Kras G12V – cRAF Binding Assay Kit	5727-4128BK	384 reactions
Kras G13D– cRAF Binding Assay Kit	5727-4133BK	384 reactions
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, His-Avi-Tag	7671HA	50 µg, 100 µg
Recombinant SUMO Protease (Ulp1)	190003	1,000 units, 10,000 units
PreScission Protease (HRV 3C)	190002-R	1,000 units, 10,000 units

All products are for laboratory research use only and are not intended for human or animal diagnostics, therapeutics, or other clinical uses. We do not sell to patients.