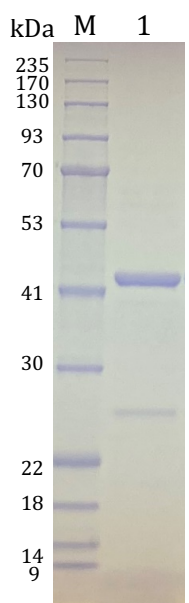


<b>Product Name</b>	Recombinant Human Kras (G12R), GST-Tag, GDP loaded	 <p>SDS-PAGE gel</p> <p>kDa M 1</p> <p>235 170 130 93 70 53 41 30 22 18 14 9</p> <p>M – MW Marker 1–GST Kras G12R</p>
<b>Synonym(s)</b>	KRAS2, RASK2, C-K-RAS, CFC2, KRAS proto-oncogene	
<b>Quantity</b>	50 µg, 100 µg	
<b>GenBank #</b>	NM_004985.5	
<b>UniProt #</b>	P01116, a. a. 2-169	
<b>Mutation</b>	G12R	
<b>Molecular weight</b>	46.11 kDa + GDP	
<b>Purity</b>	>95% by SDS-PAGE	
<b>Tag</b>	N-terminal GST Tagged	
<b>Expression Source</b>	E. coli	
<b>Application</b>	Inhibitor Screening, binding 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	
<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. As an oncogene mutated in several different cancers, the G12R substitution mutation favors the activated, GTP-bound state of the protein.	
<b>Reference</b>	Roman C. Hillig, et al. PNAS. 2019, vol. 116, no. 7, 2551–2560 Kari Kopra, et al. Anal. Chem. 2020, 92, 4971–4979 Fernández-Medarde A., et al. Genes (Basel). 2021;12(5):681.	

### Related products:

<b>Product Name</b>	<b>Catalog #</b>	<b>Size</b>
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 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 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 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
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
TEV-His	190001-R	1,000 Units, 10,000 Units
Recombinant SUMO Protease (Ulp1)	190003	1,000 units, 10,000 units
PreScission Protease (HRV 3C)	190002-R	1,000 units, 10,000 units
Recombinant YopH	200100	10 ug, 20 ug, 100 ug, 1 mg
Recombinant Mouse Leukemia Inhibitory Factor (mLIF)	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
Recombinant Human BCL2	225201	100 ug

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.