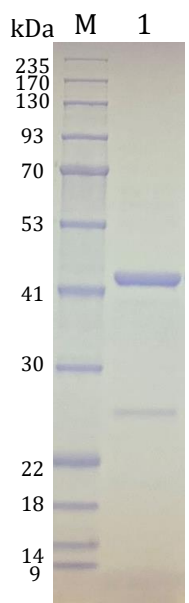


Product Name	Recombinant Human Kras (G12R), GST-Tag, GDP loaded	 <p>M – MW Marker 1 – GST Kras G12R</p>
Synonym(s)	KRAS2, RASK2, C-K-RAS, CFC2, KRAS proto-oncogene	
Quantity	50 µg, 100 µg	
GenBank #	NM_004985.5	
UniProt #	P01116, a. a. 2-169	
Mutation	G12R	
Molecular weight	46.11 kDa + GDP	
Purity	>95% by SDS-PAGE	
Tag	N-terminal GST Tagged	
Expression Source	E. coli	
Application	Inhibitor Screening, binding 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. As an oncogene mutated in several different cancers, the G12R substitution mutation favors the activated, GTP-bound state of the protein.	
Reference	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:

Product Name	Catalog #	Size
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 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 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 µg, 20 µg, 100 µg, 1 mg
Recombinant Mouse Leukemia Inhibitory Factor (mLIF)	11-0001	10 µg, 100 µg
Recombinant Human LIF	12-0002	10 µg, 100 µg, 1 mg
Recombinant Human FGF-basic, Carrier-free	12-0005CFR	50 µg, 100 µg, 500 µg, 1 mg
Recombinant Human BCL2	225201	100 µg

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.