

Product Name	Recombinant Human Kras (G12D), GST-Tag	<p>SDS-PAGE gel</p> <p>kDa M 1 2 3</p> <p>130 93 70 53 41 30 22 18 14 9</p> <p>1-3 – GST-Kras M – MW Marker</p>
Synonym(s)	KRAS2, RASK2	
Quantity	50 µg, 100 µg	
Lot Number	B10618	
Concentration	1 mg/ml	
Molecular weight	49.6 kDa	
Purity	>95% by SDS-PAGE	
Tag	N-GST Tagged	
Expression Source	E. coli	
GenBank Accession #	P01116, a. a. 1-169	
Application	Inhibitor Screening, binding assays, GDP/GTP nucleotide exchange reaction, ELISA, Immunoaffinity Purification, Protein Array, Western Blot.	
Formulation	PBS + 20% glycerol	
Storage and Stability	Stable for 12 months at -80°C, Avoid freeze/thaw cycles	
Description	Kras is a member of the RAS protein family, which are a class of small GTPases involved in cell signaling. As an oncogene mutated in several different cancers, the G12D substitution mutation favors the activated, GTP-bound state of the protein.	
Reference	Tam, I.Y., et al. Clin Cancer Res. 2006;12(5):1647-1653. Fernández-Medarde A., et al. Genes (Basel). 2021;12(5):681.	

This product is for research use only and not for diagnostic or therapeutic use.