

## Recombinant Human KRAS protein(G12C, Q61H), His-tagged

Cat. No. KRAS-457H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	A DNA sequence encoding the human KRAS (P01116-2)(Thr2-Cys185, with natural variant Gly 12 Cys and Gln 61 His) was expressed with a polyhistide tag at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Thr2-Cys185
<b>Predicted N Terminal</b>	Met
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant human KRAS consists of 202 amino acids and has a calculated molecular mass of 23.3 kDa.
<b>Endotoxin</b>	Please contact us for more information.
<b>Purity</b>	> 85 % as determined by SDS-PAGE
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
<b>Storage</b>	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** KRAS KRAS proto-oncogene, GTPase [ Homo sapiens (human) ]

**Official Symbol** KRAS

**Synonyms** C-K-RAS; CFC2; K-RAS; K-RAS2A; K-RAS2B; K-RAS4A; K-RAS4B; KI- RAS; KRAS1; KRAS2; NS; NS3; RALD; RASK2


**Gene ID** 3845

**mRNA Refseq** NM\_001369786.1


**Protein Refseq** NP\_001356715.1

**MIM** 190070

**UniProt ID** P01116

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