

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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	Thr2-Cys185
Predicted N Terminal	Met
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human KRAS consists of 202 amino acids and has a calculated molecular mass of 23.3 kDa.
Endotoxin	Please contact us for more information.
Purity	> 85 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Storage	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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