

Recombinant Human KRAS protein(G12D, Q61H), His-tagged

Cat. No. KRAS-458H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | A DNA sequence encoding the human KRAS (P01116-2)(Thr2-Cys185, with natural variant Gly 12 Asp 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

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|------------------------|---|
| 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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