Recombinant Human KRAS G12C Protein, His-tagged

Cat. No. KRAS-456H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KRAS G12C Protein(P01116-2) (Thr2-Cys185, with natural variant Gly 12 Cys) was expressed in E. coli with a polyhistidine tag at the N-terminus.
Species	Human
Source	E.coli
ProteinLength	Thr2-Cys185, with natural variant Gly 12 Cys
Tag	N-His
Form	Lyophilized from sterile 25 mM Tris, 100 mM glycine, 10 % glycerol, pH 7.5.
Bio-activity	The specific activity of KRAS was determined to be >2nmol/min/mg in a GTPase-Glo assay using GTP solution substrate.
Molecular Mass	The recombinant human KRAS consists of 191 amino acids and predicts a molecular mass of 22 kDa.
Purity	≥ 90 % as determined by SDS-PAGE. ≥ 95 % as determined by SEC-HPLC.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

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Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

GENE INFORMATION

Gene Name	KRAS v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog [Homo sapiens]
Official Symbol	KRAS
Synonyms	KRAS; v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog; KRAS2, v Ki ras2 Kirsten rat sarcoma 2 viral oncogene homolog; GTPase KRas; KRAS1; K-Ras 2; c-Ki-ras; oncogene KRAS2; K-ras p21 protein; c-Kirsten-ras protein; PR310 c-K-ras oncogene; transforming protein p21; cellular c-Ki-ras2 proto-oncogene; v-Ki-ras2 Kirsten rat sarcoma 2 viral oncogene homolog; Kirsten rat sarcoma-2 viral (v-Ki-ras2) oncogene homolog; NS; NS3; KRAS2; RASK2; KI-RAS; C-K-RAS; K-RAS2A; K-RAS2B; K-RAS4A; K-RAS4B;
Gene ID	3845
mRNA Refseq	NM_004985
Protein Refseq	NP_004976
MIM	190070
UniProt ID	P01116

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