

Active Recombinant Human KRAS Protein, His-tagged

Cat. No. KRAS-3489H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human KRAS (2-186) was expressed in E.coli cells using an N-terminal His tag.
Species	Human
Source	E.coli
ProteinLength	2-186 a.a.
Description	<p>This gene, a Kirsten ras oncogene homolog from the mammalian ras gene family, encodes a protein that is a member of the small GTPase superfamily. A single amino acid substitution is responsible for an activating mutation. The transforming protein that results is implicated in various malignancies, including lung adenocarcinoma, mucinous adenoma, ductal carcinoma of the pancreas and colorectal carcinoma. Alternative splicing leads to variants encoding two isoforms that differ in the C-terminal region.</p>
Form	Liquid
Bio-activity	3nmol/min/mg
Molecular Mass	23 kDa
Purity	>90%

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Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Concentration	0.1 µg/µl
Storage buffer	50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.

GENE INFORMATION

Gene Name	KRAS KRAS proto-oncogene, GTPase [Homo sapiens (human)]
Official Symbol	KRAS
Synonyms	NS; NS3; CFC2; RALD; K-Ras; KRAS1; KRAS2; RASK2; KI-RAS; C-K-RAS; K-RAS2A; K-RAS2B; K-RAS4A; K-RAS4B; c-Ki-ras2
Gene ID	3845
mRNA Refseq	NM_033360
Protein Refseq	NP_203524.1
MIM	190070
UniProt ID	P01116

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