

Recombinant Human KRAS Protein, His-tagged

Cat. No. KRAS-358H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KRAS Protein is produced by E. coli expression system. This protein is fused with a His tag at the N-terminal.
Species	Human
Source	E.coli
Description	The RAS gene superfamily encodes a group of closely related 21,000 dalton (p21) proteins with special affinity for guanine nucleotides (GTP). RAS and several other cellular proteins with similar biochemical properties are collectively known as G-proteins and they play key roles in a wide variety of cellular activities, including cell growth, differentiation, secretion, and protein trafficking. There are three forms of RAS gene in cells termed H-RAS, N-RAS, and K-RAS. RAS proteins play a direct causal role in human cancer and in other diseases. Mutant H-RAS, N-RAS, and K-RAS occur in varying frequencies in different tumor types. Other members of the RAS superfamily may also contribute to cancer.
Form	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol,
Molecular Mass	23 kDa
Purity	>85% by densitometry.
Applications	Enzyme Assay, Western Blot.

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Storage

Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	KRAS v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog [Homo sapiens]
Official Symbol	KRAS
Synonyms	KRAS; GTPase KRas; KRAS1; K-Ras 2; c-Ki-ras; oncogene KRAS2; 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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