PRODUCT INFORMATION

Target	KRAS
Synonyms	C-K-RAS;c-Ki-ras2;CFC2;K-Ras;K-RAS2A;K-RAS2B;K-RAS4A;K-RAS4B;KI-RAS;KRAS1;KRAS2;NS;NS3;RALD;RASK2
Description	Recombinant human KRAS protein with C-terminal mouse Fc tag
Delivery	In Stock
Uniprot ID	P01116
Expression Host	HEK293
Tag	C-mouse Fc Tag
Molecular Characterization	KRAS(Thr2-Cys185) mFc(Pro99-Lys330)
Molecular Weight	The protein has a predicted molecular mass of 47.1 kDa after removal of the signal peptide. The apparent molecular mass of KRAS-mFc is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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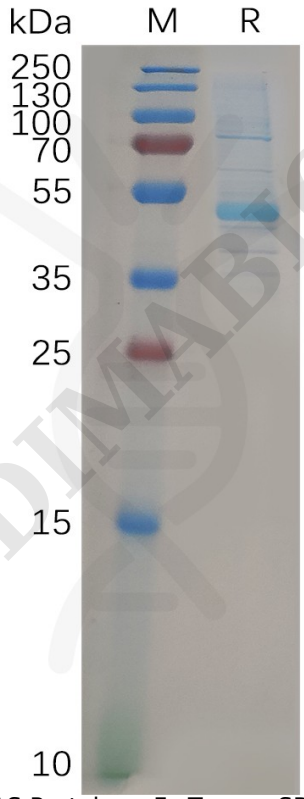


Figure 1. Human KRAS Protein, mFc Tag on SDS-PAGE under reducing condition.

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