

## **PRODUCT INFORMATION**

KRAS Target

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-Cvs185) mFc(Pro99-Lvs330)

The protein has a predicted molecular mass of  $47.1\,\mathrm{kDa}$  after removal of the signal peptide. The apparent molecular mass of KRAS-mFc is approximately 35-55 kDa due to glycosylation. **Molecular Weight** 

Purity The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

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. Formulation & Reconstitution

Storage & Shipping

lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. 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.

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

Background

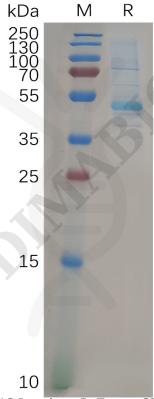


Figure 1. Human KRAS Protein, mFc Tag on SDS-PAGE under reducing condition.

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