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## Datasheet for ABIN7092804 K-RAS Protein (His tag)

### Overview

Quantity:	100 µg
Target:	K-RAS (KRAS)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This K-RAS protein is labelled with His tag.

### Product Details

Purpose:	Recombinant human KRAS protein with C-terminal 6xHis tag
Specificity:	KRAS (Thr2-Cys185) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

### Target Details

Target:	K-RAS (KRAS)
Alternative Name:	KRAS ( <a href="#">KRAS Products</a> )
Target Type:	Viral Protein
Background:	Synonyms: C-K-RAS

## Target Details

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Description: 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]

Molecular Weight: predicted molecular mass of 21.8 kDa after removal of the signal peptide. The apparent molecular mass of KRAS-His is 15-25 kDa due to glycosylation.

UniProt: [P01116](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Reconstitute with deionized water

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: 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.

Expiry Date: 12 months