

KRAS recombinant protein

KRAS, 1-185aa, Human, His tag, E Coli

CATALOG # AAA11791	HOST E Coli	APPLICATIONS SDS-Page
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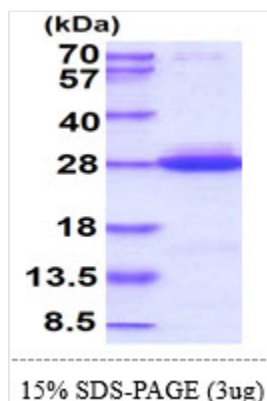
PRODUCT SYNONYMS

KRAS; 1-185aa; Human; His tag; E Coli; GTPase Kras; C-K-RAS; K-RAS2A; K-RAS2B; K-RAS4A; K-RAS4B; KI-RAS; KRAS1; NS3; RASK2; K RAS2B; K RAS4A; K RAS4B; KI RAS; KRAS 1; NS 3; ; KRAS recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 0.1M NaCl, 1mM DTT, 10% glycerol
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MTEYKLVVVG AGGVGKSALT IQLIQNHFVD EYDPTIEDSY RKQVVIDGET CLLDILDTAG HEEYSAMRDQ YMRTGEGFLC VFAINNTKSF EDIHHYREQI KRVKDSSEVP MVLVGNKCDL PSRTVDTKQA QDLARSYGIP FIETSAKTRQ GVDDAFYTLV REIRKHKEKM SKDGKKKKKK SKTKC
Sequence Length	188
Applicable Applications for KRAS recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for KRAS recombinant protein	KRAS is a member of the small GTPase superfamily. This protein is implicated in various malignancies, including lung adenocarcinoma, mucinous adenoma, ductal carcinoma of the pancreas and colorectal carcinoma. under normal conditions, Ras family members influence cell growth and differentiation events in a subcellular membrane compartmentalization-based signaling system. Oncogenic Ras can deregulate processes that control both cell proliferation and apoptosis. Recombinant human KRAS protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for KRAS recombinant protein	Cancer
References	Lee W., et al. (2010) Nature. 465 (7297):473-7.; Singh M., et al. (2010) Nat Biotechnol. 28 (6):585-93;

NCBI AND UNIPROT INFORMATION

NCBI GI #	15488883
NCBI GeneID	3845
Molecular Weight	23.2 kDa (205aa) confirmed by MALDI-TOF
NCBI Official Full Name	V-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog
NCBI Official Synonym Full Names	KRAS proto-oncogene, GTPase
NCBI Official Symbol	KRAS
NCBI Official Synonym Symbols	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
NCBI Protein Information	GTPase KRas
UniProt Protein Name	GTPase KRas
UniProt Gene Name	KRAS
UniProt Synonym Gene Names	KRAS2; RASK2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/kras-recombinant-protein-e-coli-sds-page/11791>