

Product datasheet for AR09546PU-N

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

OriGene Technologies, Inc.

KRAS (1-185, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: KRAS (1-185, His-tag) human recombinant protein, 0.1 mg

Species: Human E. coli **Expression Host:**

Expression cDNA Clone

MGSSHHHHHH SSGLVPRGSH MTEYKLVVVG AGGVGKSALT IQLIQNHFVD EYDPTIEDSY or AA Sequence: RKQVVIDGET CLLDILDTAG HEEYSAMRDQ YMRTGEGFLC VFAINNTKSF EDIHHYREQI

KRVKDSEDVP MVLVGNKCDL PSRTVDTKQA QDLARSYGIP FIETSAKTRQ GVDDAFYTLV

REIRKHKEKM SKDGKKKKKK SKTKC

Tag: His-tag Predicted MW: 23.2 kDa **Concentration:** lot specific

>90% by SDS - PAGE **Purity:**

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 1 mM DTT, 10% glycerol

Preparation: Liquid purified protein

Protein Description: Recombinant human KRAS protein, fused to His-tag at N-terminus, was expressed in E.coli

and purified by using conventional chromatography techniques.

Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch. Stability:

RefSeq: NP 004976

Locus ID: 3845 **UniProt ID:** P01116 Cytogenetics: 12p12.1

Synonyms: GTPase KRas, KRAS2, RASK2, K-Ras 2, Ki-Ras, c-K-ras, c-Ki-ras



ORÏGENE

Summary:

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]

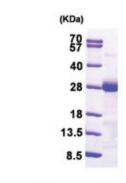
Protein Families:

Druggable Genome

Protein Pathways:

Acute myeloid leukemia, Axon guidance, B cell receptor signaling pathway, Bladder cancer, Chemokine signaling pathway, Chronic myeloid leukemia, Colorectal cancer, Dorso-ventral axis formation, Endometrial cancer, ErbB signaling pathway, Fc epsilon RI signaling pathway, Gap junction, Glioma, GnRH signaling pathway, Insulin signaling pathway, Long-term depression, Long-term potentiation, MAPK signaling pathway, Melanogenesis, Melanoma, Natural killer cell mediated cytotoxicity, Neurotrophin signaling pathway, Non-small cell lung cancer, Pancreatic cancer, Pathways in cancer, Progesterone-mediated oocyte maturation, Prostate cancer, Regulation of actin cytoskeleton, Renal cell carcinoma, T cell receptor signaling pathway, Thyroid cancer, Tight junction, VEGF signaling pathway

Product images:



15% SDS-PAGE (3ug)