

HRAS recombinant protein

HRAS, 1-186aa, Human, His tag, E Coli

CATALOG # AAA48615	HOST E Coli	APPLICATIONS SDS-Page
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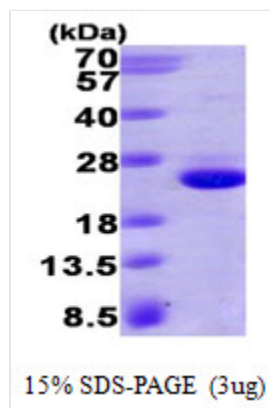
PRODUCT SYNONYMS

HRAS; 1-186aa; Human; His tag; E Coli; v-Ha-ras Harvey rat sarcoma viral oncogene homolog; HMG14; GC104230; v-Ha-ras Harvey rat sarcoma viral oncogene homolog C BAS/HAS; c H ras; C HA RAS1; c has/bas p21 protein; c ras Ki 2 activated oncogene; CTLO; GTP and GDP binding peptide B; H Ras 1; H RASIDX; Ha Ras; Ha Ras1 proto oncoprotein; HAMS; HRAS1; K ras; N ras; p19 H RasIDX protein; p21ras; Ras family small GTP binding protein H Ras; RASH1; Transformation gene oncogene HAMS; Transforming protein p21; v Ha ras Harvey rat sarcoma viral oncogene homolog; VH Ras; vHa RAS.; HRAS recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MTEYKLVVVG AGGVGKSALT IQLIQNHFVD EYDPTIEDSY RKQVVIDGET CLLDILDTAG QEEYSAMRDQ YMRGTGEGFLC VFAINNTKSF EDIHQYREQI KRVKDSDDVP MVLVGNKCDL AARTVESRQA QDLARSYGIP YIETSAKTRQ GVEDAFYTLV REIRQHKLRK LNPPDESGPG CMSCKCLEHH HHHH
Sequence Length	189
Applicable Applications for HRAS 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 HRAS recombinant protein	HRAS, also known as GTPase HRas, belongs to the Ras family which function in signal transduction pathways. This protein can bind GTP and GDP, and it has intrinsic GTPase activity. HRAS undergoes a continuous cycle of de- and re-palmitoylation, which regulates its rapid exchange between the plasma membrane and the Golgi apparatus. It also may play a role in regulating the kinetics of signaling in the phototransduction cascade. Defects in HRAS are implicated in a variety of cancers, including bladder cancer, follicular thyroid cancer, and oral squamous cell carcinoma. Recombinant human HRAS protein was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for HRAS recombinant protein	Signal Transduction
References	McCormick F. (1995) Mol Reprod Dev. 42 (4):500-6; Ayllon V. et al. (2000) Mol Membr Biol. 17 (2):65-73;

NCBI AND UNIPROT INFORMATION

NCBI GI #	194363762
NCBI GeneID	3265
NCBI Accession #	NP_001123914
NCBI GenBank Nucleotide #	NM_001130442.2
UniProt Accession #	P01112; Q14080; Q6FHV9; Q9BR65; Q9UCE2; B5BUA0
Molecular Weight	22.0 kDa (194aa), confirmed by MALDI-TOF.
NCBI Official Full Name	GTPase HRas isoform 1
NCBI Official Synonym Full Names	HRas proto-oncogene, GTPase
NCBI Official Symbol	HRAS
NCBI Official Synonym Symbols	CTLO; HAMS;V; HRAS1; RASH1; p21ras; C-H-RAS; H-RASID;X; C-BAS/HAS; C-HA-RAS1
NCBI Protein Information	GTPase HRas
UniProt Protein Name	GTPase HRas
UniProt Gene Name	HRAS
UniProt Synonym Gene Names	HRAS1

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.