

AR09416PU-L

Human HRAS (1-186, His-tag) - Purified

Alternate names:

GTPase HRas, H-Ras, H-Ras-1, HRAS1, Ha-Ras, c-H-ras, p21ras, v-Ha-ras Harvey rat sarcoma viral oncogene homolog

Quantity:

0.5 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P01112](#)

NCBI:

[NP_001123914](#)

GeneID:

[3265](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

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

Description:

Recombinant human HRAS protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MTEYKLVVVG AGGVGKSALT IQLIQNHFVD EYDPTIEDSY RKQVVIDGET CLLDILDTAG
QEEYSAMRDQ YMRTGEGFLC VFAINNTKSF EDIHQYREI KRVKDSDDVP MVLVGNKCDL
AARTVESRQA QDLARSYGIP YIETSAKTRQ GVEDAFYTLV REIRQHKLRK LNPPDESGPG
CMSCKCLEHH HHHH

Molecular weight: kDa (194 aa), confirmed by MALDI-TOF

Storage:

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

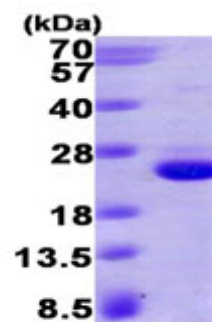
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Ayllón V. et al. (2000) Mol Membr Biol. 17(2):65-73.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human HRAS, 1-186 aa, His-tagged: 15% SDS-PAGE (3 μ g)

