

Recombinant Human RRAS, His-tagged

Cat. No. RRAS-2360H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RRAS protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. 25.3 kDa (235aa).
Species	Human
Source	E.coli
ProteinLength	1-215 a.a.
Description	RRAS, also known as ras-related protein R-Ras, belongs to the Ras family which functions in signal transduction pathways. This protein has been shown to interact with RASSF5, NCK1, Bcl-2, ARAF and RALGDS. RRAS can bind GTP and GDP, and it has intrinsic GTPase activity. It also regulates the organization of the actin cytoskeleton.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl.
Purity	> 85% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MSSGAASGTG RGRPRGGGPG PGDPPPSETH KLVV VGGGGV GKSALTIQFI QSYFVSDYDP TIEDSYTKICSVDGIPARLD ILDT AGQ EEF GAMREQYMRA GHGFLLVFAI NDRQSFNEVG KLFTQILRVK

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DRDDFPVVLV GNKADLESQR QVPRSEASAFGASHHVAYFE ASAKLRLNVD
EAFEQLVRAV RKY QE QELPP SPPSAPRKKG GCPC.

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

RRAS related RAS viral (r-ras) oncogene homolog [Homo sapiens]

Synonyms

related RAS viral (r-ras) oncogene homolog; RRAS; ras-related protein R-Ras; p23; Oncogene RRAS

Gene ID

6237

mRNA Refseq

NM_006270

Protein Refseq

NP_006261

MIM

165090

UniProt ID

P10301

**Chromosome
Location**

19q13.3-qter

Pathway

MAPK signaling pathway; Regulation of actin cytoskeleton; Tight junction; Axon guidance

Function

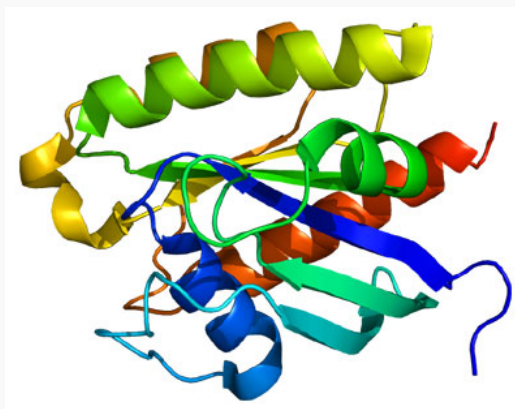
protein binding; nucleotide binding; GTPase activity; GTP binding; GDP binding

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