

## Recombinant Human RALA, His-tagged

**Cat. No.** RALA-3386H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human RALA protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 25.8kDa (227aa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-203 a.a.
<b>Description</b>	RALA (Ras-related protein Ral-A) belongs to the small GTPase superfamily, Ras family of proteins. RALA mediates a distinct downstream signaling pathway from Ras that facilitates cellular transformation. RALA is also thought to be involved in numerous signaling cascades, including regulation of the cytoskeleton, vesicle trafficking, and endocytosis.
<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 2mM DTT, 100mM NaCl, 0.1mM PMSF.
<b>Purity</b>	> 90% by SDS - PAGE.
<b>Concentration</b>	0.5 mg/ml (determined by Bradford assay).
<b>Sequences Of Amino Acids</b>	MGSSHHHHHH SSGLVPRGSH MGSMAANKP KGQNSLALHK VIMVGSGGVG KSALTLQFMY DEFVEDYEPT KADSYRKKVV LDGEEVQIDI LDTAGQEDYA

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AIRDNYFRSG EGFLCVFSIT EMESFAATAD FREQILRVKE DENVPFLLVG  
 NKSDLEDKRQ VSVEEAKNRA EQWNVNYVET SAKTRANVDK VFFDLMREIR  
 ARKMEDSKEK NGKKKRKSLA KRIRERC.

**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.

**Pathways**

Pancreatic cancer; Pathways in cancer; Signalling by NGF

## GENE INFORMATION

**Gene Name**

[RALA v-ral simian leukemia viral oncogene homolog A \(ras related\) \[ Homo sapiens \]](#)

**Synonyms**

v-ral simian leukemia viral oncogene homolog A (ras related); RAL; MGC48949; RALA; ras-related protein Ral-A; OTTHUMP00000207663; RAS-like protein A; Ras family small GTP binding protein RALA

**Gene ID**

[5895](#)

**mRNA Refseq**

[NM\\_005402](#)

**Protein Refseq**

[NP\\_005393](#)

**MIM**

[179550](#)

**UniProt ID**

[P11233](#)

**Chromosome Location**

7p15-p13

**Function**

Edg-2 lysophosphatidic acid receptor binding; GTP binding; nucleotide binding;

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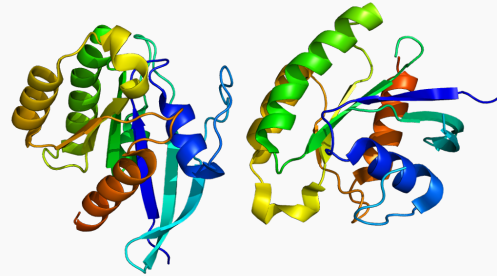
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GTPase activity; protein binding

PDB rendering based  
on 1u8y.



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