

Recombinant Human RALA, His-tagged

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

SPECIFICATION

Product Overview	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).
Species	Human
Source	E.coli
Protein Length	1-203 a.a.
Description	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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 2mM DTT, 100mM NaCl, 0.1mM PMSF.
Purity	> 90% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MGSMAANKP KGQNSLALHK VIMVGSGGVG KSALTQLQFMY DEFVEDYEPT KADSYRKKVV LDGEEVQIDI LDTAGQEDYA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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;

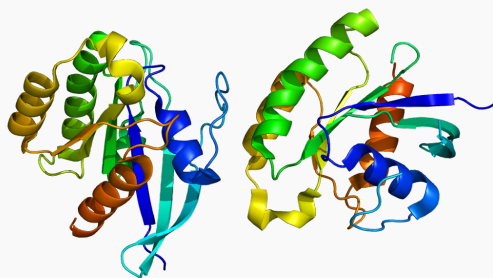
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GTPase activity; protein binding

PDB rendering based
on 1u8y.



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