

Recombinant Human V-Ral Simian Leukemia Viral Oncogene Homolog A (ras related), His-tagged

Cat. No. RALA-1777H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanRALA protein, fused to His-tag at N-terminus, was expressed in E. coli andpurified by using conventional chromatography techniques.
Species	Human
Source	Human
Description	RALA (Ras-relatedprotein Ral-A) belongs to the small GTPase superfamily, Ras family ofproteins. RALA mediates a distinct downstream signaling pathway from Ras thatfacilitates cellular transformation. RALA is also thought to be involved innumerous signaling cascades, including regulation of the cytoskeleton, vesicletrafficking, and endocytosis.
Concentration	0.5 mg/ml
Form	Suppliedas a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 10% glycerol, 2mMDTT, 100mM NaCl, and 0.1mM PMSF.
Purity	> 90% by SDS -PAGE
Sequence	1-203 amino acids:MGSSHHHHHH SSGLVPRGSH MGSHEMAANKP KGQNSLALHK VIMVGSGGVG KSALTQLQFMY DEFVEDYEPTKADSYRKKVV LDGEEVQIDI LDTAGQEDYA AIRDNYFRSG EGFLCVFSIT EMESFAATAD FREQLRVKEDENVPFLLVG NKSDLEDKRQ VSVEEAKNRA EQWNVNYVET

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SAKTRANVDK VFFDLMREIR ARKMEDSKEKNGK

Molecular Mass 31.8 kDa(291aa), confirmed by MALDI-TOF.

Applications SDS-PAGE

Storage Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or -70 deg C for long term storage. Avoid repeated freeze/thaw cycles.

Official Symbol RALA

GENE INFORMATION

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

Synonyms RALA; v-ral simian leukemia viral oncogene homolog A (rasrelated); RAL; MGC48949; ras-related protein Ral-A; OTTHUMP00000158977; 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

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Pathway Arf6trafficking events; ErbB1 downstream signaling; NGF signalling via TRKA from the plasma membrane; Pancreatic cancer; Pathways in cancer; Signalling byNGF; Signalling to ERKs; Signalling to RAS; p38MAPK events

Function Edg-2lysophosphatidic acid receptor binding; GTP binding; GTPase activity;nucleotide binding; protein binding

PDBrendering based on 1u8y.

