

Recombinant Human RAB2A, His-tagged

Cat. No. RAB2A-3582H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RAB2A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (1-212aa).
Species	Human
Source	E.coli
Description	RAB2A (Ras-related protein Rab-2A) belongs to the small GTPase superfamily. Members of the RAB protein family are nontransforming monomeric GTP-binding proteins of the Ras superfamily that contain 4 highly conserved regions involved in GTP binding and hydrolysis. RAB proteins are also an integral part of endocytic pathways. RAB2A and RAB2B are required for protein transport from the ER to the Golgi, RAB2A is lipid-anchored to the ER-Golgi intermediate compartment membrane while RAB2B is lipid anchored to the cytoplasmic side of the cell membrane.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 100mM NaCl
Molecular Weight	26.1kDa (236aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	0.5mg/ml (determined by Bradford assay)
Sequences of amino	MGSSHHHHHH SSGLVPRGSH SGSHMAYAYL FKYIIIGDTG VGKSCLLQF

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acids

TDKRFQPVHD LTIGVEFGAR MITIDGKQIK LQIWDTAGQE SFRSITRSYY
 RGAAGALLVY DITRRDTFNH LTTWLEDARQ HSNSNMVIML IGNKSDLESR
 REVKKEEGEA FAREHGLIFM ETSAKTASN EAFINTAKE IYEKIQEGVF
 DINNEANGIK IGPQHAATNA THAGNQGGQQ AGGGCC

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 [RAB2A RAB2A, member RAS oncogene family \[Homo sapiens \]](#)

Official Symbol RAB2A

Synonyms RAB2A; RAB2; RAB2A, member RAS oncogene family; ras-related protein Rab-2A; OTTHUMP00000165916; OTTHUMP00000229371; OTTHUMP00000229372; small GTP binding protein RAB2A; RAB2, member RAS oncogene family; Ras-related protein Rab-2A; OTTHUMP00000165919

Gene ID [5862](#)

mRNA Refseq [NM_002865](#)

Protein Refseq [NP_002856](#)

MIM [179509](#)

UniProt ID [P61019](#)

Chromosome Location 8q12.1

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Function

GDP binding; GTP binding; GTPase activity; nucleotide binding

PDBrendering based
on 1z0a.



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