

## Recombinant Human RAB2A, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 100mM NaCl
<b>Molecular Weight</b>	26.1kDa (236aa), confirmed by MALDI-TOF
<b>Purity</b>	> 90% by SDS - PAGE
<b>Concentration</b>	0.5mg/ml (determined by Bradford assay)
<b>Sequences of amino</b>	MGSSHHHHHH SSSLVPRGSH SGSHMAYAYL FKYIIIGDTG VGKSCLLLQF

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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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