

Recombinant Human RAB4A, His-tagged

Cat. No. RAB4A-3556H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RAB4A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography (1-218aa).
Species	Human
Source	E.coli
Description	RAB4A belongs to the small GTPase superfamily. RAB4A has been shown to interact with STX4, RAB11FIP1, RABEP1, CD2AP and KIF3B. Rab4 is also involved in the translocation of glucose transporter (Glu4) in adipocytes in response to insulin. Overexpression of Rab4 causes a redistribution of receptors on plasma membrane versus endocytic compartments.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl,1mM DTT
Molecular Weight	26.5 kDa (238aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	1.0 mg/ml (determined by Bradford assay)
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MSQTAMSETY DFLFKFLVIG NAGTGKSCLL HQFIEKKFKD DSNHTIGVEF GSKIINVGGK YVKLQIWDTA GQERFRSVTR SYYRGAAGAL LVDITSRET YNALTNWLTD ARMLASQNIV IILCGNKKDL DADREVTFL EASRFAQENEL MFLETSALTG ENVEEAFVQC ARKILNKIES

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GELDPERMGS GIQYGDAALR QLRSPRRAQA PNAQECGC.

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

RAB4A RAB4A, member RAS oncogene family [Homo sapiens]

Official Symbol

RAB4A

Synonyms

RAB4A; RAB4A, member RAS oncogene family; Oncogene RAB4; RAB4, member RAS oncogene family; ras-related protein Rab-4A; HRES-1/RAB4; RAB4

Gene ID

5867

mRNA Refseq

NM_004578

Protein Refseq

NP_004569

MIM

179511

UniProt ID

P20338

**Chromosome
Location**

1q42-q43

Function

GDP binding; GTPase activity; ionotropic glutamate receptor binding; protein transporter activity; syntaxin binding

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