

Recombinant Full Length Human RAB5A Protein, Untagged

Cat. No. RAB5A-374H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Rab5a was expressed in E.coli and purified by using conventional chromatography techniques, 23 kDa (215 aa).
Species	Human
Source	E.coli
Protein Length	1-215 a.a.
Description	Rab5a is a member of RAS oncogene family. The small GTPase, Rab5a is a crucial regulatory component of the endocytic pathway. Activation of Rab5a is mediated by GDP-GTP exchange factors (GEFs) that generate the Rab5-GTP complex.
Sequences of amino acids	MASRGATRPN GPNTGNKICQ FKLVLGESA VGKSSLVLRV VKGQFHEFQE STIGAAFLTQ TVCLDDTTVK FEIWDTAGQE RYHSLAPMYR RGAQAAIVVY DITNEESFAR AKNWVKELQR QASPNIVIAL SGNKADLANK RAVDFQEAQS YADDNSLLFM ETSAKTSMNV NEIFMAIAKK LPKNEPQNPG ANSARGRGVD LTEPTQPTRN QCCSN
Formulation	Liquid in 20mM Tris-HCl buffer (pH 8.0)
Purity	> 95% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)

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Endotoxin Level < 1.0 EU per 1ug of protein (determined by LAL method)

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 RAB5A RAB5A, member RAS oncogene family [Homo sapiens]

Synonyms RAB5A; RAB5A, member RAS oncogene family; RAB5; RAS-associated protein RAB5A

Gene ID 5856

mRNA Refseq NM_004162

Protein Refseq NP_004153

MIM 179512

UniProt ID P20339

Chromosome Location 3p24-p22

Pathway Amyotrophic lateral sclerosis (ALS)

Function GTP binding; GTPase activity; guanyl nucleotide binding; nucleotide binding; protein binding

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