Recombinant Human RAB5B, Member RAS Oncogene Family, His-tagged

Cat. No. RAB5B-3393H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RAB5B protein, fused to His-tag at N-terminus, was expressed in*E.coli*and purified by using conventional chromatography techniques.MW = 26.1 kDa (238aa).
Species	Human
Source	E.coli
Description	Ras-related protein Rab-5B, also known as RAB5B, is a member of the Rab family of small (monomeric) G proteins. RAB5B is involved in endocytosis and recycling of cell surface molecules. It interacts with RIN2 and RIN3, which regulate its function, possibly by acting as GEFs. Knockdown of RAB5B abolished group I metabotropic glutamate receptor (mGluR)-mediated neuroprotection.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 0.2M NaCl.
Purity	> 90% by SDS - PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MGSMTSRSTA RPNGQPQASK ICQFKLVLLG ESAVGKSSLV LRFVKGQFHE YQESTIGAAF LTQSVCLDDT TVKFEIWDTA GQERYHSLAP MYYRGAQAAI VVYDITNQET FARAKTWVKE LQRQASPSIV

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	IALAGNKADL ANKRMVEYEE AQAYADDNSL LFMETSAKTA MNVNDLFLAI AKKLPKSEPQ NLGGAAGRSR GVDLHEQSQQ NKSQCCSN.
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.
Pathways	Amoebiasis; Endocytosis; Phagosome; Vasopressin-regulated water reabsorption

GENE INFORMATION

Gene Name	RAB5B RAB5B, member RAS oncogene family [Homo sapiens]
Synonyms	RAB5B, member RAS oncogene family;RAB5B; ras-related protein Rab-5B
Gene ID	5869
mRNA Refseq	NM_002868
Protein Refseq	NP_002859
MIM	179514
UniProt ID	P61020
Chromosome Location	12q13
Function	GTP binding; GTP-dependent protein binding; GTPase activity; nucleotide binding; protein binding

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