

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 <i>E.coli</i> 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 LRFVKGFHE YQESTIGAAF LTQSVCLDDT TVKFEIWDTA GQERYHSLAP MYYRGAQAAI VVYDITNQET FARAKTWVKE LQRQASPSIV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PDB rendering based
on 1huq.



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA