

Recombinant human RAB5B protein

Catalog Number: ATGP0846

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-215aa

UniProt No.

P61020

NCBI Accession No.

NP_002859

Alternative Names

Ras-related protein Rab-5B, Rab 5b, Rab5 b, RAB5B member RAS oncogene family, Ras related protein Rab 5B

PRODUCT SPECIFICATION

Molecular Weight

26.1 kDa (238aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 0.2M NaCl

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human RAB5B protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MTSRSTA RPNGQPQASK ICQFKLVLLG ESAVGKSSLV LRFVKGQFHE
YQESTIGA AF LTQSVCLDDT TVKFEIWDTA GQERYHSLAP MYRGAQAAI VVYDITNQET FARAKTWWKE LQRQASPSIV
IALAGNKADL ANKRMVEYEE AQAYADDNSL LFMETSAKTA MNVNDLFLAI AKKLPKSEPO NLGGAAGRSR GVDLHEQSQQ
NKSQCCSN

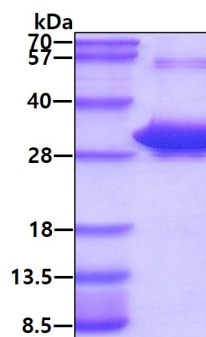
General References

Chavrier P., et al. (1992) Gene. 112:261-264.

Novick P., et al. (1993) Cell. 75:597-601.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.