

RAB5B, 1-215aa, Human, His tag, E.coli

Cat.NO.: TP03645

3th Edition

Synonyms:Ras-related protein Rab-5B

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.

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

Molecular Weight:26.1 kDa (238aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMTSRSTARPNGQPQASKICQFKLVLLGESAVGKSSLVLRVFKGQFHEYQES
TIGAAFLTQSVCLDDTTVKFEIWDTAGQERYHSLAPMYRGAQAAIVVYDITNQETFARAKTWVKELQRQASPSIVIA
LAGNKADLANKRMVEYEEAQAYADDNSLLFMETSAKTAMNVNDLFLAIAKKLPKSEPQNLGGAAGRSRGVDLHEQ
SQQNKSQCCSN

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug 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.