

Recombinant Human Rab5b protein ab104545

1 图像

描述

产品名称	重组人Rab5b蛋白
纯度	> 90 % SDS-PAGE. ab104545 is purified using conventional chromatography techniques.
表达系统	Escherichia coli
Accession	<u>P61020</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MGSSHHHHHSSGLVPRGSHMGSM TSRSTARPNQPPQASK ICQFKLVLLG ESAVGKSSLVLR FVKGFHEYQESTIGAAFLTQSVCLDDTTV KFEIWDTA GQUERYHSLAPMYRGAQAAIVVYDITNQETFARAKTWVKELQ RQASPSIV IALAGNKADLANKRMVEYEEAQAYADDNSLLFMETSAKTAMN VNDLFLAI AKKLPKSEPQNLGGAAGRSRGVDLHEQSQNKSQCCSN
预测分子量	26 kDa including tags
氨基酸	1 to 215
标签	His tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab104545** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE Mass Spectrometry
质谱法	MALDI-TOF
形式	Liquid

制备和贮存

稳定性和存储

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

pH: 8.00

Constituents: 0.0154% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 1.16% Sodium chloride

常规信息

相关性

Rab5b is a member of the Rab family of small (monomeric) G proteins. Like other small G proteins, Rab5b switches between an inactive, GDP-form and an active, GTP-bound form. GDP/GTP exchange factors (GEFs) catalyse the conversion from the GDP-bound form to the GTP-bound form, while GTPase-activating proteins (GAPs) catalyse GTP hydrolysis to GDP. 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. Furthermore, Rab5b interacts with LRRK2, the defective gene at the PARK8 locus that results in Parkinson's disease. Roles for Rab5b in neurodegenerative disease, neuroprotection, and synaptic plasticity have been suggested.

细胞定位

Cell Membrane, Endosome

图片



15% SDS-PAGE analysis of 3µg ab104545.

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