

Product datasheet

Recombinant Human Rab5b protein ab104545

画像数 1

製品の概要

製品名	Recombinant Human Rab5b protein
タンパク質長	Full length protein

製品の詳細

由来	Recombinant
由来	Escherichia coli

アミノ酸配列

アクセッション番号 [P61020](#)

生物種 Human

配列 **MGSSHHHHHSSGLVPRGSHMGSMTSRSTARPNGQPQASKICQFKLVLLG**
ESAVGKSSLVLRFBKGFHEYQESTIGAAFLTQSVCLDDTTVKFEIWDTA
GQERYHSLAPMYRGAQAAIVVYDITNQETFARAKTWVKELQRQASPSIV
IALAGNKADLANKRMVEYEEAQAYADDNSLLFMETSAKTAMNVNDFLAI
AKKLPKSEPNLGGAAAGRSRGVDLHEQSQQNKSQCCSN

分子量	26 kDa including tags
領域	1 to 215
タグ	His tag N-Terminus

特性

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.

アプリケーション	SDS-PAGE Mass Spectrometry
質量分析	MALDI-TOF
精製度	> 90 % SDS-PAGE. ab104545 is purified using conventional chromatography techniques.
製品の状態	Liquid

保存方法および安定性

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

Preservative: None

Constituents: 20% Glycerol, 0.2M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0

関連情報

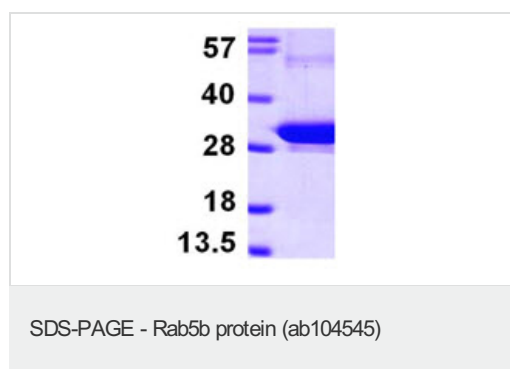
関連性

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.

細胞内局在

Cell Membrane, Endosome

画像



15% SDS-PAGE analysis of 3µg ab104545.

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