

## 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<br>Mass Spectrometry  |
| 質量分析     | MALDI-TOF  |
| 精製度      | > 90 % SDS-PAGE.<br>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

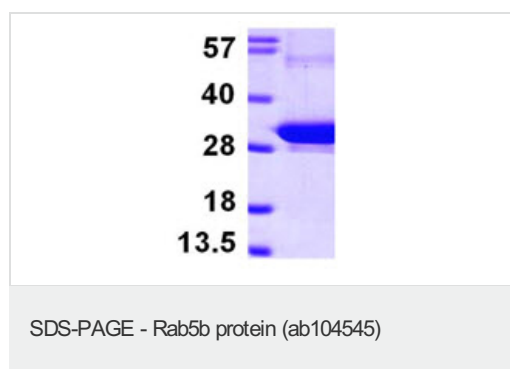
### 関連性

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.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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