

## Product datasheet

# Recombinant Human RGS16 protein ab116421

### 製品の概要

製品名	Recombinant Human RGS16 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

[O15492](#)

生物種 Human

配列

```

MGSSHHHHHH SGLVPRGSH MCRTLAAFPT
TCLERAKEFK TRLGIFLHKS ELGCDTGSTG
KFEWGSKHSK ENRNFSEDVL GWRESFDLLL
SSKNGVAAFH AFLKTEFSEE NLEFWLACEE
FKKIRSATKL ASRAHQIFEE FICSEAPKEV
NIDHETRELT RMNLQTATAT CFDAAQGKTR
TLMEKDSYPR FLKSPAYRDL AAQASAASAT
LSSCSLDEPS HT

```

分子量 25 kDa including tags

領域 1 to 202

タグ His tag N-Terminus

### 特性

Our [Abpromise guarantee](#) covers the use of **ab116421** 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

精製度 > 90 % SDS-PAGE.

Purified by proprietary chromatographic techniques.

製品の状態 Liquid

備考 ab116421 although stable at 4°C for 30 days, should be stored desiccated below -20°C for periods greater than 30 days. Please avoid freeze-thaw cycles.

## 前処理および保存

---

### 保存方法および安定性

Shipped at 4°C. Please see notes section.

pH: 8.00

Constituents: 0.32% Tris-HCl buffer, 0.58% Sodium chloride, 20% Glycerol

## 関連情報

---

### 機能

Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds to G(i)-alpha and G(o)-alpha, but not to G(s)-alpha. May play a role in regulating the kinetics of signaling in the phototransduction cascade.

### 組織特異性

Abundantly expressed in retina with lower levels of expression in most other tissues.

### 配列類似性

Contains 1 RGS domain.

### 翻訳後修飾

Palmitoylated on Cys-2 and/or Cys-12.

Phosphorylation on Tyr-168 upon EGFR stimulation. Enhanced GTPase accelerating (GAP) activity on G(i)-alpha.

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

## Our Abpromise to you: Quality guaranteed and expert technical support

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- 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

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

## Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors