

# Recombinant rat CHM protein ab91070

### 描述

---

产品名称	重组大鼠CHM蛋白
生物活性	Activity: 1 pmol of CHM will mediate transfer of 2 pmol of geranylgeraniol by RabGGTase onto 1 pmol of Rab7 in 3 minutes.
纯度	> 90 % SDS-PAGE.
表达系统	Spodoptera frugiperda
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Rat

### 技术指标

---

Our **Abpromise guarantee** covers the use of **ab91070** in the following tested applications.

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

应用	Functional Studies SDS-PAGE
形式	Liquid

### 制备和贮存

---

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.20 Constituents: 0.077% DTT, 0.595% HEPES, 0.232% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
--------	---

### 常规信息

---

功能	Binds unprenylated Rab proteins, presents it to the catalytic Rab GGTase dimer, and remains bound to it after the geranylgeranyl transfer reaction. The component A is thought to be regenerated by transferring its prenylated Rab back to the donor membrane. Also a pre-formed
----	---

complex consisting of CHM and the Rab GGTase dimer (RGGT or component B) can bind to and prenylate Rab proteins; this alternative pathway is proposed to be the predominant pathway for Rab protein geranylgeranylation.

#### 疾病相关

Defects in CHM are the cause of choroideremia (CHM) [MIM:303100]. An X-linked recessive disease characterized by a slowly progressive degeneration of the choroid, photoreceptors, and retinal pigment epithelium. Affected males develop night blindness in their teenage years followed by loss of peripheral vision and complete blindness at middle age. Carrier females are generally asymptomatic but fundusoscopic examination often shows patchy areas of chorioretinal atrophy.

#### 序列相似性

Belongs to the Rab GDI family.

---

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

#### 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.cn/abpromise> or contact our technical team.

#### Terms and conditions

---

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