

Recombinant rat CHM protein ab91070

製品の詳細

製品名	Recombinant rat CHM protein
生理活性	Activity: 1 pmol of CHM will mediate transfer of 2 pmol of geranylgeraniol by RabGGTase onto 1 pmol of Rab7 in 3 minutes.
精製度	> 90 % SDS-PAGE.
発現系	Spodoptera frugiperda
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Rat

特性

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.

アプリケーション	Functional Studies SDS-PAGE
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製品の状態	Liquid
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前処理および保存

保存方法および安定性	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.
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関連情報

機能	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
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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.

関連疾患

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.

配列類似性

Belongs to the Rab GDI family.

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

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