

Product datasheet

Recombinant Guinea pig Histamine H1 Receptor co-expressed with RGS4 protein ab90474

製品の概要

製品名	Recombinant Guinea pig Histamine H1 Receptor co-expressed with RGS4 protein
タンパク質長	Full length protein

法規制情報

カルタヘナ法

製品の詳細

由来	Recombinant
由来	Baculovirus infected Sf9 cells
アミノ酸配列	
生物種	Guinea pig

特性

Our [Abpromise guarantee](#) covers the use of **ab90474** 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
製品の状態	Liquid

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. Preservative: None Constituents: 75mM Tris HCl, 12.5mM Magnesium chloride, 1mM EDTA, pH 7.4
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関連情報

## 関連性

Histamine is a ubiquitous messenger molecule released from mast cells, enterochromaffin-like cells, and neurons. The histamine H1 receptor is an integral membrane protein and belongs to the family 1 of G protein-coupled receptors. It mediates the contraction of smooth muscles, increase in capillary permeability due to contraction of terminal venules, catecholamine release from adrenal medulla, and mediates neurotransmission in the central nervous system. Regulator of G protein signaling 4 (RGS4) negatively regulates G protein coupled receptor signaling. RGS4 belongs to a family of regulatory molecules that act as GTPase activating proteins (GAPs) for G alpha subunits of heterotrimeric G proteins. RGS proteins are able to deactivate G protein subunits of the Gi alpha, Go alpha and Gq alpha subtypes. They drive G proteins into their inactive GDP bound forms. All RGS proteins share a conserved 120 amino acid sequence termed the RGS domain. Regulator of G protein signaling 4 protein is 37% identical to RGS1 and 97% identical to rat Rgs4. This protein negatively regulate signaling upstream or at the level of the heterotrimeric G protein and is localized in the cytoplasm. The antihypertrophic effects of RGS4 in the myocardium is well characterized. RGS4 may also have a potential role in the pathogenesis of cardiac arrhythmias.

## 細胞内局在

Histamine H1 Receptor: Cell membrane; Multi-pass membrane protein.

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

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