

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
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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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