

Product datasheet

Recombinant Human Histamine H2 Receptor - Gq α fusion protein ab90397

Description

Product name	Recombinant Human Histamine H2 Receptor - Gq α fusion protein
Expression system	Baculovirus infected Sf9 cells
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Additional sequence information	Tagged at the N terminus of the Histamine H2 Receptor with a DDDDK tag. The C terminus of the Histamine H2 Receptor is linked to the N terminus of the Gq alpha with a His tag.
Description	Recombinant Human Histamine H2 Receptor - Gq α fusion protein

Specifications

Our [Abpromise guarantee](#) covers the use of **ab90397** in the following tested applications.

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

Applications	Functional Studies
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.40 Constituents: 0.11875% Magnesium chloride, 1.185% Tris HCl, 0.0292% EDTA
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General Info

Relevance	Histamine H2 Receptor belongs to the family 1 of G protein-coupled receptors. It is an integral membrane protein and stimulates gastric acid secretion. It also regulates gastrointestinal motility and intestinal secretion and is thought to be involved in regulating cell growth and differentiation. Guanine nucleotide-binding proteins (G proteins) are a family of heterotrimeric proteins that couple cell surface, G protein-coupled receptors to intracellular signaling pathways. Receptor
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activation catalyzes the exchange of GTP for GDP bound to the inactive G protein alpha subunit resulting in a conformational change and dissociation of the complex. The G protein alpha and beta-gamma subunits are capable of regulating various cellular effectors. Activation is terminated by a GTPase intrinsic to the G-alpha subunit. Gq alpha is the alpha subunit of one of the heterotrimeric GTP-binding proteins that mediates stimulation of phospholipase C-beta.

Cellular localization

Histamine H2 Receptor: Cell membrane; Multi-pass membrane protein.

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