

Datasheet for ABIN7491443

MRGPRX2 Protein (AA 1-33) (Fc Tag)



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1 Image

Overview

| | |
|-------------------------------|---|
| Quantity: | 100 µg |
| Target: | MRGPRX2 |
| Protein Characteristics: | AA 1-33 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This MRGPRX2 protein is labelled with Fc Tag. |

Product Details

| | |
|------------------|---|
| Purpose: | Recombinant Human MRGPRX2 Protein with C-terminal human Fc tag |
| Specificity: | MRGPRX2 (Met1-Pro33) hFc (Glu99-Ala330) |
| Characteristics: | Extracellular Domain Protein |
| Purification: | Purified from cell culture supernatant by affinity chromatography |
| Purity: | The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining. |

Target Details

| | |
|-------------------|--|
| Target: | MRGPRX2 |
| Alternative Name: | MRGPRX2 (MRGPRX2 Products) |
| Background: | Mast cell-specific receptor for basic secretagogues, i.e. cationic amphiphilic drugs, as well as |

Target Details

endo- or exogenous peptides, consisting of a basic head group and a hydrophobic core (PubMed:25517090). Recognizes and binds small molecules containing a cyclized tetrahydroisoquinoline (THIQ), such as non-steroidal neuromuscular blocking drugs (NMBDs), including tubocurarine and atracurium. In response to these compounds, mediates pseudo-allergic reactions characterized by histamine release, inflammation and airway contraction (By similarity). Acts as a receptor for a number of other ligands, including peptides and alkaloids, such as cortistatin-14, proadrenomedullin N-terminal peptides PAMP-12 and, at lower extent, PAMP-20, antibacterial protein LL-37, PMX-53 peptide, beta-defensins, and complanadine A.[UniProtKB/Swiss-Prot Function]

Molecular Weight: predicted molecular mass of 29.6 kDa after removal of the signal peptide. The apparent molecular mass of MRGPRX2-hFc is 35-55 kDa due to glycosylation.

UniProt: [Q96LB1](#)

Application Details

Restrictions: For Research Use only

Handling

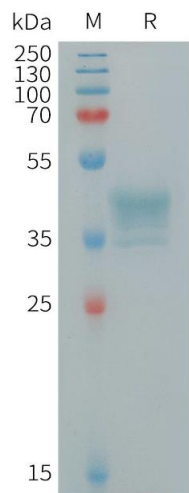
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human MRG Protein, hFc Tag on SDS-PAGE under reducing condition.