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Datasheet for ABIN7491443 MRGPRX2 Protein (Fc Tag)

Overview

Quantity:	100 µg
Target:	MRGPRX2
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
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:	MGRG3, MRGX2Mast cell-specific receptor for basic secretagogues, i.e. cationic amphiphilic drugs, as well as 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

Target Details

(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: 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