PRODUCT INFORMATION

Target	MRGPRX2
Synonyms	MGRG3;MRGX2
Description	Recombinant Human MRGPRX2 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q96LB1
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	MRGPRX2(Met1-Pro33) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 29.6 kDa after removal of the signal peptide. The apparent molecular mass of MRGPRX2-hFc is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage & Shipping	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.
Background	Mast 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 (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]
Usage	Research use only
Conjugate	Unconjugated

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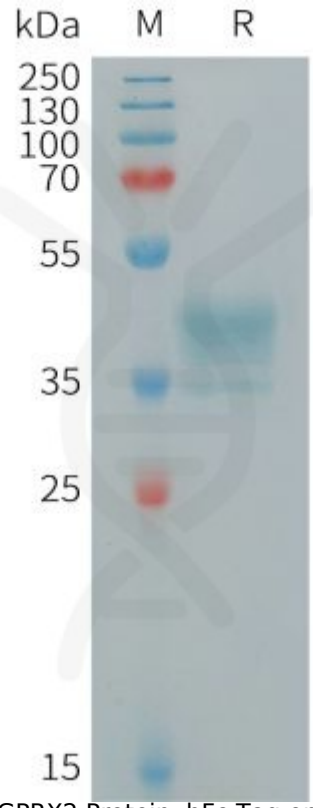

Figure 1.Human MRGPRX2 Protein, hFc Tag on SDS-PAGE under reducing condition.

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