

## HUMAN MRGPRX2 PROTEIN, HFC TAG

目录: 11918

产品名称: Human MRGPRX2 Protein

规格: 10 µg, 50 µg and 100 µg

基因符号: MGRG3;MRGX2

**Target:** MRGPRX2

**UNIPROT ID:** Q96LBI

**描述:** Recombinant Human MRGPRX2 Protein with C-terminal human Fc tag

**背景:** 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]

**Species/Host:** HEK293

**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.

**Molecular Characterization:** MRGPRX2(Met1-Pro33) hFc(Glu99-Ala330)

**纯化:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**储存和运输:** 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.



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