

HUMAN MRGPRX2 FULL LENGTH PROTEIN

目录: 11086

产品名称: Human MRGPRX2 Full Length Protein

规格: 10 µg; 50 µg and 100 µg

基因符号: MGRG3; MRGX2

Target: MRGPRX2

UNIPROT ID: Q96LBI

描述: Human MRGPRX2 Full Length Protein-Synthetic Nanodisc

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. 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. 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.

Species/Host: HEK293

Molecular Weight: The human full length MRGPRX2 protein has a MW of 37.1 kDa

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.

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: N.A.

ELISA assay to evaluate MRGPRX2-Nanodisc 0.2µg Human MRGPRX2-Nanodisc per well

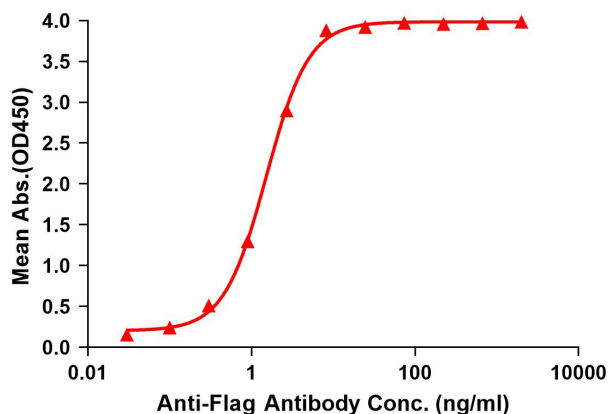


Figure 1. Elisa plates were pre-coated with Flag Tag MRGPRX2-Nanodisc (0.2µg/per well). Serial diluted Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for Flag monoclonal antibody binding with MRGPRX2-Nanodisc is 1.523ng/ml.

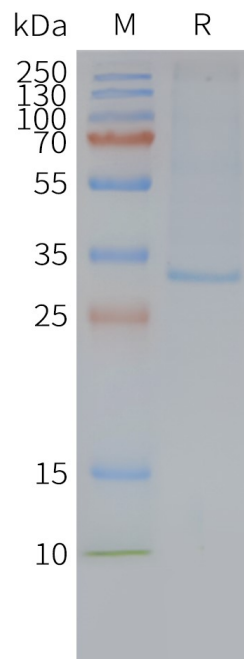


Figure 2. Human MRGPRX2-Nanodisc, Flag Tag on SDS-PAGE