

PRODUCT INFORMATION

C-Flag Tag Tag MRGPRX2 **Target**

Synonyms MGRG3; MRGX2

Human MRGPRX2 full length protein-synthetic **Description**

nanodisc **Delivery** In Stock **Uniprot ID** Q96LB1 **Expression Host HEK293**

Protein Families Druggable Genome, GPCR, Transmembrane

Protein Pathways N.A.

Storage & Shipping

Background

The human full length MRGPRX2 protein has a **Molecular Weight**

MW of 37.1 kDa 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. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments. 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

témperature.

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.

Usage Research use only Conjugate Unconjugated







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

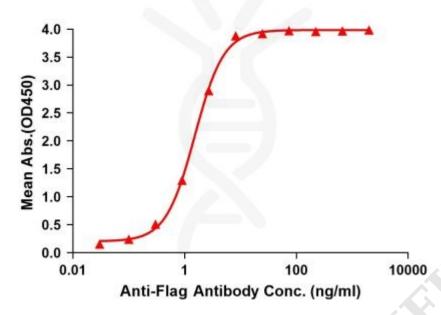


Figure 1. Elisa plates were pre-coated with Flag Tag MRGPRX2-Nanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with MRGPRX2-Nanodisc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



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

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