

Biotinylated Human MRGPRX2 Full Length Protein, Flag,Avitag™ (Nanodisc-pro)

Catalog # MR2-H82D5



BIOSYSTEMS
Acro

Synonym

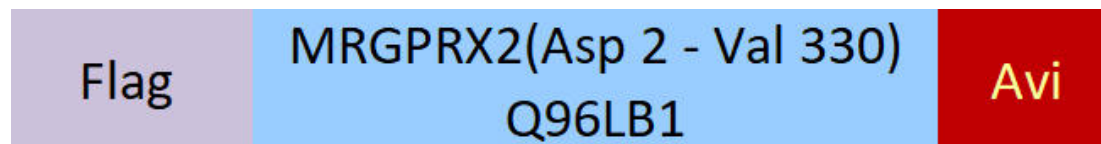
MRGPRX2

Source

Biotinylated Human MRGPRX2 Full Length Protein, Flag,Avitag (Nanodisc-pro) (MR2-H82D5) is expressed from human 293 cells (HEK293). It contains AA Asp 2 - Val 330 (Accession # [Q96LB1](#)).

Predicted N-terminus: Asp

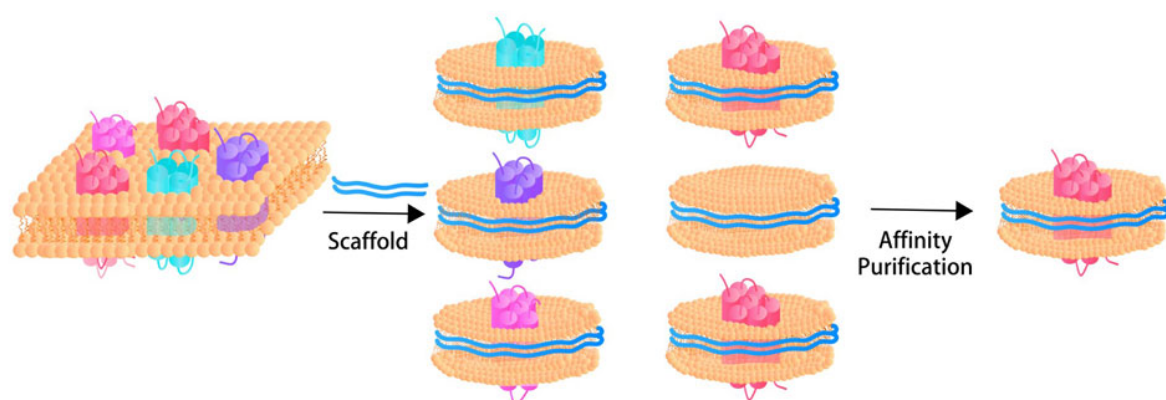
Molecular Characterization



This protein carries a flag tag at the N-terminus and an Avi tag (Avitag™) at the C-terminus.

The protein has a calculated MW of 55.5 kDa.

Nanodiscs are a new class of model membranes that are being used to solubilize and study a range of integral membrane proteins and membrane-associated proteins. The Nanodisc bilayer is bounded by an amphipathic scaffold coat that confers enhanced stability and a narrow particle size distribution.



The nanodisc-pro is directly extracted from cell membrane in a water-soluble form using an amphipathic scaffold followed by affinity chromatography, and thus, it conserves a patch of native membrane around them.

Labeling

Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.

Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

Formulation

Supplied as 0.2 µm filtered solution in 20 mM HEPES, 150 mM NaCl, pH7.5 with glycerol as protectant.

Contact us for customized product form or formulation.

Shipping

This product is supplied and shipped with dry ice, please inquire the shipping cost.

Storage

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- The product **MUST** be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

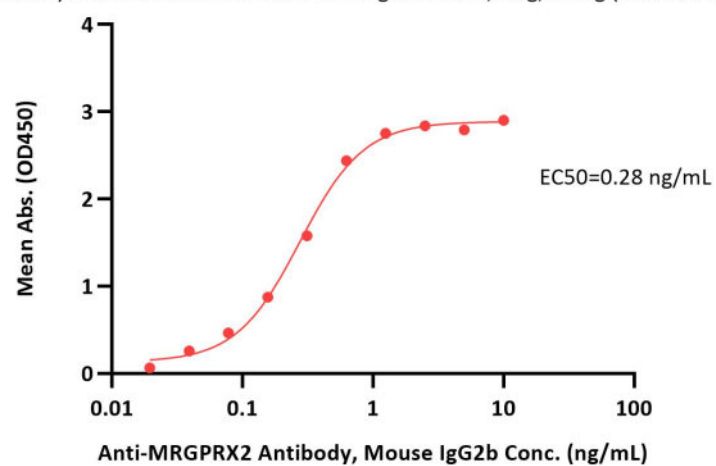
ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

*The isotype control of empty/mock nanodisc (Cat. No. [APO-H5143](#)) is sold separately and not included in protein, you can follow [the link](#) for product information.

Bioactivity-ELISA

Biotinylated Human MRGPRX2 Full Length Protein, Flag,Avitag (Nanodisc-pro) ELISA
0.5 µg of Biotinylated Human MRGPRX2 Full Length Protein, Flag,Avitag (Nanodisc-pro) per well



Immobilized Biotinylated Human MRGPRX2 Full Length Protein, Flag,Avitag (Nanodisc-pro) (Cat. No. MR2-H82D5) at 5 µg/mL (100 µL/well) on streptavidin (Cat. No. STN-N5116) precoated (0.5 µg/well) plate can bind Anti-MRGPRX2 Antibody, Mouse IgG2b with a linear range of 0.02-1 ng/mL (QC tested).

Background

The protein belongs to the family of G-protein coupled receptors, that are preferentially activated by adenosine and uridine nucleotides. It is moderately expressed in undifferentiated HL60 cells, and is located on both chromosomes X and Y.

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