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Product Information

MemDX™ Recombinant Human EDNRA Membrane Protein in Virus-Like Particles (MP-VLPs)

Cat. No.: **S01YF-0622-KX75**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human EDNRA in VLPs form. This product is produced from HEK293 by co-expressing the retroviral structural core polyprotein (gag) and the target membrane protein. MP-VLPs display highly-expressed copies of membrane proteins in their native conformation, providing an alternative to membrane protein stable cell lines, membrane preparations, detergent-solubilized proteins and other membrane protein preparation strategies. MP-VLPs can be used for a wide range of applications in antibody production, antibody discovery, antibody characterization, binding assays and functional assays.

Product Specifications

Host Species
Human

Target Protein
EDNRA

Protein Length
Full length

Protein Class
GPCR

TMD
7

Sequence
DNPERYSTNLSNHVDDFTTFRGTELSFLVTTHQPTNLVLPSNGSMHNYCPQQTKITSAFKYINTVISCTIFIVGMVGNATLLRIIYQNK

Product Description

Application
ELISA; Antibody Production; Antibody Discovery; Antibody Characterization; Binding Assays; Functional Assays

Expression Systems
HEK293 expression system

Tag
10xHis tag at the C-terminus

Protein Format
Membrane Protein-Virus Like Particles (MP-VLPs)

Form

Liquid

Buffer

PBS, 6% Trehalose, pH 7.4

Storage

The product should be stored at -20°C or lower. Avoid freeze-thaw cycles.

Target

Target Protein

EDNRA

Full Name

Endothelin receptor type A

Introduction

This gene encodes the receptor for endothelin-1, a peptide that plays a role in potent and long-lasting vasoconstriction. This receptor associates with guanine-nucleotide-binding (G) proteins, and this coupling activates a phosphatidylinositol-calcium second messenger system. Polymorphisms in this gene have been linked to migraine headache resistance. Alternative splicing results in multiple transcript variants.

Alternative Names

ETA; ET-A; ETAR; ETRA; MFDA; ETA-R; hET-AR; endothelin-1 receptor; G protein-coupled receptor; endothelin receptor subtype A; endothelin-1-specific receptor; EDNRA; Endothelin receptor type A

Gene ID

1909

UniProt ID

P25101

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