

Product Information

MemDX™ Recombinant Human P2X2 Membrane Protein in Virus-Like Particles (MP-VLPs)

Cat. No.: **MPVLP-027**

This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human P2X2 in VLPs form. This product is produced from mammalian cells by co-expressing the retroviral structural core polypeptide (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

P2X2

Protein Length

Full length

Protein Class

Ion channel

TMD

2

Product Description

Application

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

Expression Systems

HEK293 expression system

Protein Format

Membrane Protein-Virus Like Particles (MP-VLPs)

Form

Liquid

Storage

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

Target

Target Protein

P2X2

Full Name

Purinergic receptor P2X 2

Introduction

The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel. Binding to ATP mediates synaptic transmission between neurons and from neurons to smooth muscle. Multiple transcript variants encoding distinct isoforms have been identified for this gene.

Alternative Names

P2X2; DFNA41; P2RX2; P2X purinoceptor 2; ATP receptor; P2X Receptor, subunit 2; purinergic receptor P2X, ligand gated ion channel, 2

Gene ID

[22953](#)

UniProt ID

[Q9UBL9](#)