

Product Information

MemDX™ Recombinant Human K2P1.1 Membrane Protein in Virus-Like Particles (MP-VLPs)

Cat. No.: **MPVLP-025**

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

This product is recombinant Human K2P1.1 in VLPs form. This product is produced from mammalian cells 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

K2P1.1

Protein Length

Full length

Protein Class

Ion channel

TMD

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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

K2P1.1

Full Name

Potassium two pore domain channel subfamily K member 1

Introduction

This gene encodes one of the members of the superfamily of potassium channel proteins containing two pore-forming P domains. The product of this gene has not been shown to be a functional channel, however, it may require other non-pore-forming proteins for activity.

Alternative Names

DPK; HOHO; K2P1; KCNO1; TWIK1; K2p1.1; TWIK-1; KCNK1; potassium channel subfamily K member 1; inward rectifying potassium channel protein TWIK-1; potassium channel K2P1; potassium channel KCNO1; potassium channel, two pore domain subfamily K, member 1; potassium inwardly-rectifying channel, subfamily K, member 1; tandem of P domains in a weak inward rectifying K⁺ channel 1

Gene ID

[3775](#)

UniProt ID

[O00180](#)