

Product Information

MemDX™ Recombinant Human TRPC4 Membrane Protein in Virus-Like Particles (MP-VLPs)

Cat. No.: **MPVLP-023**

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

This product is recombinant Human TRPC4 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

TRPC4

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

TRPC4

Full Name

Transient receptor potential cation channel subfamily C member 4

Introduction

This gene encodes a member of the canonical subfamily of transient receptor potential cation channels. The encoded protein forms a non-selective calcium-permeable cation channel that is activated by Gq-coupled receptors and tyrosine kinases, and plays a role in multiple processes including endothelial permeability, vasodilation, neurotransmitter release and cell proliferation. Single nucleotide polymorphisms in this gene may be associated with generalized epilepsy with photosensitivity. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Alternative Names

TRP4; HTRP4; HTRP-4; short transient receptor potential channel 4; trp-related protein 4

Gene ID

[7223](#)

UniProt ID

[Q9UBN4](#)