

Product Information

MemDX™ Recombinant Human TRPM4 Membrane Protein in Virus-Like Particles (MP-VLPs)

Cat. No.: **MPVLP-024**

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

This product is recombinant Human TRPM4 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

TRPM4

Protein Length

Full length

Protein Class

Ion channel

TMD

6

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

TRPM4

Full Name

Transient receptor potential cation channel subfamily M member 4

Introduction

The protein encoded by this gene is a calcium-activated nonselective ion channel that mediates transport of monovalent cations across membranes, thereby depolarizing the membrane. The activity of the encoded protein increases with increasing intracellular calcium concentration, but this channel does not transport calcium.

Alternative Names

EKVP6; LTrpC4; PFHB1B; TRPM4B; hTRPM4; transient receptor potential cation channel subfamily M member 4; calcium-activated non-selective cation channel 1; long transient receptor potential channel 4; melastatin-4

Gene ID

[54795](#)

UniProt ID

[Q8TD43](#)