

Product Information

MemDX™ Membrane Protein Human TRPM4 (Transient receptor potential cation channel subfamily M member 4) for Antibody Discovery

Cat. No.: **MP1257J**

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

This product is a 134.1 kDa Human TRPM4 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

TRPM4

Protein Length

Full-length

Protein Class

Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

Molecular Weight

134.1 kDa

TMD

6

Sequence

MVVPEKEQSWIPKIFKKKTCTTFIVDSTDPGGTLCQCGRPRTAHPAVAMEDAFGAHVTVWDSDAHTTEK
PTDAYGELDFTGAGRKHSNFLRLSDRTDPAAVYSLVTRTWGFRAPNLVSVLGGSGGPVLQTLQDILLR
GLVRAAQSTGAWIVTGGLHTGIGRHVGAVRDHQMAGTGGTKVAMGVAPWGVVRNRDTLINPKGSFPAR
YRWRGDPEDGVQFPLDYNYSAFFLVDDGTHGCLGGENRFRRLRLESYISQKKTGVGGTGIDIPVLLLLIDG
DEKMLTRIENATQAQLPCLLVAGSGGAADCLAETLEDTLAPGSGGARQGEARDRIIRFFPKGDLEVLQAQ
VERIMTRKELLTVYSSSEDGSEEFETIVLKALVKACGSSEASAYLDELRLAVAWNVRVDIAQSELFGRDIQW
RSFHLEASLMDALLNDRPEFVRLISHGLSLGHFLTPMRLAQLYSAAPSNLIRNLLDQASHSAGTKAPA
LKGGAAELRPPDVGHVLRMLLGKMCAPRYPSGGAWDPHPGQGFGESMYLLSDKATSPSLDAGLGQAPWS
DLLLWALLNRAQMAMYFWEMGSNAVSSALGACLLLRVMARLEPDAAEEAARRKDLAFKFEGMGVDLFGE
YRSEVRAARLLLRRCPLWGDATCLQLAMQADARAFFAQDGVQSLLTQKWWGDMASSTPIWALVLAFFCP
PLIYTRLITFRKSEEEPTREELEFDMDSVINGEGPVGTADPAEKTPLGVPRQSGRPGCCGGRCGGRCLR
RWFHFWGAPVTIFMGNVVSYLLFLLLFSRVLLVDFQPAPPGSLELLLYFWAFTLLCEELRQGLSGGGGSL
ASGGPGPGHASLSQRLRLYLADSWNQCDLVALTCFLGVCRLTPGLYHLGRTVLCIDFMVFTVRLHIF
TVNKQLGPKIVIVSKMMKDVFFFLFGLVWLVAVGVAEGLLRPRDSDFPSILRRVFYRYPYLQIFGQIPQ
EDMDVALMEHSNCSSEPGFWAHPPGAQAGTCVSQYANWLVLVLLVIFLLVANILLVNLIIAMFSYTFGKV
QGNSDLYWKAQRYRLIREFHSRPALAPPFIVISHRLLLRQLCRRPRSPQPSSPALEHFRVYLSKEAERK
LLTWESVHKENFLARARDKRESDSERLKRTSQKVDLALKQLGHIREYEQRLKVLEREVQQCSRVLGWVA
EALSRSALLPPGGPPPPDLPGSKD

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

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

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

Gene ID

[54795](#)

UniProt ID

[Q8TD43](#)