

Product Information

MemDX™ Membrane Protein Human TRPM4 (Transient receptor potential cation channel subfamily M member 4) Full Length

Cat. No.: **MPC0965K**

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

This product is a 134.3 kDa Human TRPM4 membrane protein expressed in HEK293. 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

Transporter; Ion channel

Molecular Weight

134.3 kDa

TMD

6

Sequence

MVVPEKEQSWIPKIFKKKTCTTFIVDSTDPGGTLCQCGRPRTAHPAVAME
DAFGAAVVTVWDSDAHTTEKPTDAYGELDFTGAGRKHSNFLRLSDRTDPA
AVYSLVTRTWGFRAPNLVSVLGGSGGPVLQTWLQDLLRRGLVRAAQSTG
AWIVTGGLHTGIGRHVGVAVRDHQMASTGGTKVVAMGVAPWGVVRNRDTL
INPKGSFPARYRWRGDPEDGVQFPLDYNYSAFFLVDDGTHGCLGGENRFR
LRLESYISQKGTGVGGTGIDIPVLLLLIDGDEKMLTRIENATQAQLPCLL
VAGSGGAADCLAETLEDTLAPGSGGARQGEARDRIIRFFPKGDLEVLQAQ
VERIMTRKELLTVYSSDGESEEFETIVLKALVKACGSSEASAYLDELRLA
VAWNRVDIAQSELFRGDIQWRSFHLEASLMDALLNDRPEFVRLISHGLS
LGHFLTPMRLAQLYSAAPSNLIRNLLDQASHSAGTKAPALKGGAAELRP
PDVGHVLRMLLGKMCAPRYPSGGAWDPHPGQGFGESEMYLLSDKATSPLSL
DAGLGQAPWSDLLLWALLNRAQMAMYFWEMGSNAVSSALGACLLLRVMA
RLEPDAAEEAARRKDLAFKFEGMGVDLFGECYRSSEVRAARLLLRCPWLG
DATCLQLAMQADARAFFAQDGVQSLLTQKWWGDMASTTPIWALVLAFFCP
PLIYTRLITFRKSEEEPTREELEFDMDSVINGEGPVGTADEKTPLGVP
RQSGRPGCCGGRRCGRRLRRWFHFWGAPVTIFMGNVVSYLELLFSLRV
LLVDFQPAPPGSLELLLYFWAFTLLCEELRQGLSGGGGSLASGGPGPGA
SLSQRLRLYLADSWNQCDLVALTCFLLGVGCRLTPGLYHLGRTVLCIDFM
VFTVRLHIFTVNKQLGPKIVIVSKMMKDVFFFLFLGVWLVAAYGVATEG

LLRPRDSDFPSILRRVFYRPYLQIFGQIPQEDMDVALMEHSNCSSEPGFW
AHPPGAQAGTCVSQYANWLVLVLLVIFLLVANILLVNLLIAMFSYTFGKV
QGNSDLYWKAQRYRLIREFHSRPAAPPFIVISHLRLLLRQLCRRPRSPQ
PSSPALEHFRVYLSKEAERKLLTWESVHKENFLARARDKRESDSERLKR
TSQKVDLALKQLGHIREYEQRLKVLEREVQQCSRVLGWVAEALSRSALLP
PGGPPPPDLPGSKD

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°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; TRPM4; Transient receptor potential cation channel subfamily M member 4

Gene ID

[54795](#)

UniProt ID

[Q8TD43](#)