

Product Information

MemDX™ Membrane Protein Human TRPV4 (Transient receptor potential cation channel subfamily V member 4) Full Length

Cat. No.: **MPC0973K**

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

This product is a 98.2 kDa Human TRPV4 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

TRPV4

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

98.2 kDa

TMD

6

Sequence

MADSSEGPRAGPGEVAELPGDESGTPGGEAFPLSSLANLFEGEDGSLSPS
PADASRPAGPGDGRPNLRMKFQGAFRKGVNPIDLLESTLYESSVVP
GPKAPMDSLFDYGTyrHHSSDNKRWRKKIIEKQPQSPKAPAPQPPPI
LKVFNRPIILFDIVSRGSTADLDGLLPFLTHKKRLTDEEFREPSTGKT
CLPKALLNLSNGRNDTIPVLLDIAERTGNMREFINSPFRDIYYRGQTAL
HIAIERCKHYVELLVAQGADVHAQARGRRFFQPKDEGGYFYFGELPLS
LAACNTNQPHIVNYLTENPHKKADMRRQDSRGNTVLHALVAIADNTRE
NTKFTVKMYDLLLLKCARLFPDSNLEAVLNNDGLSPLMMAAKTGKIGI
FQHIIRREVTDEDTRHLSRKFKDWAYGPVYSSLYDLSSLDTCGEEASV
LEILVYNSKIENRHEMLAVEPINELLRDKWRKFGAVSFYINVVSYLCAMV
IFTLTAYYQPLEGTPPYPYRTTVDYLRRLAGEVITLFTGVLFFFFTNIK
DLFMKKCPGVNSLFIDGSFQLLYFIYSVLVIVSAALYLAGIEAYLAVM
VFALVLGWMNALYFTRGLKLTGTYSIMIQLFKDLFRLLVYLLFMIGYAS
ALVSLLNPCANMKVCNEDQTNCTVPTYPSCRDSETFSTFLDLFKLTIGM
GDLEMLSSTKYPVVFIILLV TYIILTFVLLLNLIALMGETVGQVSKE
SKHIWKLQWATTILDIERSFPVFLRKAFRSGEMVTVGKSSDGT
PDRRWCFRVDEVNWSHWNQNLGIINEDPGKNETYQYYGFSHTVGR
LRRDRWSSVPRVVELNKN SNPDEVVPLDSMGNPRCDGHQQGYPRK
WRTDDAPL

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

TRPV4

Full Name

Transient receptor potential cation channel subfamily V member 4

Introduction

This gene encodes a member of the OSM9-like transient receptor potential channel (OTRPC) subfamily in the transient receptor potential (TRP) superfamily of ion channels. The encoded protein is a Ca²⁺-permeable, nonselective cation channel that is thought to be involved in the regulation of systemic osmotic pressure. Mutations in this gene are the cause of spondylometaphyseal and metatropic dysplasia and hereditary motor and sensory neuropathy type IIC. Multiple transcript variants encoding different isoforms have been found for this gene.

Alternative Names

SMAL; VRL2; BCYM3; CMT2C; SPSMA; TRP12; VROAC; HMSN2C; OTRPC4; SSQTL1; transient receptor potential cation channel subfamily V member 4; OSM9-like transient receptor potential channel 4; osm-9-like TRP channel 4; osmosensitive transient receptor potential channel 4; transient receptor potential protein 12; vanilloid receptor-like channel 2; vanilloid receptor-related osmotically activated channel; TRPV4; Transient receptor potential cation channel subfamily V member 4

Gene ID

[59341](#)

UniProt ID

[Q9HBA0](#)