

Product Information

MemDX™ Membrane Protein Human TRPM3 (Transient receptor potential cation channel subfamily M member 3) Full Length

Cat. No.: **MPC0964K**

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

This product is a 197.5 kDa Human TRPM3 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

TRPM3

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

197.5 kDa

TMD

7

Sequence

MPEPWGTVYFLGIAQVFSFLFSWWNLEGVMNQADAPRPLNWTIRKLCHAA
FLPSVRLKKAQKSWIERAFYKRECVHIIPSTKDPHRCCCGRLIGQHVGLT
PSISVLQNEKNESRLSRNDIQSEKWSISKHTQLSPTDAFGTIEFQGGGHS
NKAMYVRVSFDTKPDLLLHLMTKEWQLELPKLLISVHGGQLQNFELQPKLK
QVFGKGLIKAAMTTGAWIFTGGVNTGVIRHVGDAKDHASKSRGKICTIG
IAPWGIVENQEDLIGRDVVRPYQTMSNPMSKLTVLNSMHSFILADNGTT
GKYGAEVKLRRQLEKHISLQKINTRCLPFFSLDSRLFYSFWGSCQLDSVG
IGQGVPPVALIVEGGPNVISIVLEYLRDTPPVVPPVCDGSGRASDILAFG
HKYSEEGGLINESLRDQLLVTIQKTFTYTRTQAQHLFIILMECMKKKELI
TVFRMGSEGHQDIDLAILTALLKGANASAPDQLSLALAWNVRVDIARSQIF
IYQQQWPVGSLEQAMLDALVLDRVDFVKLLIENGVSMSHRFLTISRLEELY
NTRHGPSNTLYHLVRDVKKGNLPPDYRISLIDIGLVIEYLMGGAYRCNYT
RKRFRFTLYHNLFGPKRPAKLLGMEDDIPLRRGRKTTKKREEEVDIDL
DPEINHFPFPHFELMVWAVLMKRQKMAFFWQHGEEMAKALVACKLCKA
MAHEASENDMVDDISQELNHNSRDFGQLAVELLDQSYKQDEQLAMKLLTY
ELKNWSNATCLQLAVAAKHRDFAHTCSQMLLDMWMGRLMRKNSGLKV
ILGILLPPSILSLEFKNKDDMPYMSQAQEIHLQEKEAEPEKPTKEKEEE
DMELTAMLGRNNGESSRKKDEEEVQSKHRLIPLGRKIYEFYNAPIVKFWF
YTLAYIGYLMLFNYIVLVKMERWPSTQEWIVISYIFTLGIEKMREILMSE

PGKLLQKVWVWLQEYWNVTDLIAILLFSVGMILRLQDQPFRSDGRVIYCV
NIIYWYIRLLDIFGVN KYLGPYVMMIGKMMIDMMYFVIIMLVVLM SFGVA
RQAILFPNEEPSWKLAKNIFYMPYWM IYGEVFADQIDPPCGQNETREDGK
IIQLPPCKTGAWIVPAIMACYLLVANILLVNLLIAVFNNTFFEVKSISNQ
VWK FQRYQLIMTFHERPVLPPPLIIFSHMTMIFQHLCRWRKHESDPDER
DYGLKLFITDDELKKVHDFEEQCIEEYFREKDDRFNSSNDERIRVTSERV
ENMSMRLEE VNEREHSMKASLQTVDIRLAQLEDLIGRMATALERLTGLER
AESNKIRSRTSSDCTDAAYIVRQSSFNSQEGNTFKLQESIDPAGEETMSP
TSPTLMPRMRSHSFYSVNMKDKGGIEKLESIFKERSLSLHRATSSHVAK
EPKAPAAPANTLAIVPDSRRPSSCIDIYVSAMDELHCDIDPLDNSVNILG
LGEP SFSTPVPSTAPSSSAYATLAPTDRPPSRSIDFEDITSMDTRSFSSD
YTHLPECQNPWDSEPPMYHTIERSKSSRYLATTPFLLEEAPIVKSHSFMF
SPSRSYANFGVPVKTAEYTSITDCIDTRCVNAPQAIADRAAFPGGLGDK
VEDLTCCHPEREAELSHPSDDSEENEAKGRRATIAISSQEGDNSERTLSN
NITVPKIERANSYSAEEPSAPYAHTRKSFSISDKLDRQRNTASLRNPFQR
SKSSKPEGRGDSL MRRLSRTSAFQSFESKH N

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

TRPM3

Full Name

Transient receptor potential cation channel subfamily M member 3

Introduction

The product of this gene belongs to the family of transient receptor potential (TRP) channels. TRP channels are cation-selective channels important for cellular calcium signaling and homeostasis. The protein encoded by this gene mediates calcium entry, and this entry is potentiated by calcium store depletion. Alternatively spliced transcript variants encoding different isoforms have been identified.

Alternative Names

GON-2; MLSN2; LTRPC3; transient receptor potential cation channel subfamily M member 3; long transient receptor potential channel 3; melastatin-2; TRPM3; Transient receptor potential cation channel subfamily M member 3

Gene ID

[80036](#)

UniProt ID

[Q9HCF6](#)