

Product Information

MemDX™ Membrane Protein Human TRPM2 (Transient receptor potential cation channel subfamily M member 2) Full Length

Cat. No.: **MPC0963K**

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

This product is a 171.1 kDa Human TRPM2 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

TRPM2

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

171.1 kDa

TMD

6

Sequence

MEPSALRKAGSEQEEGFGLPRRVTDLGMVSNLRRSNSSLFKSWRLQCPF
GNNDKQESLSSWIPENIKKKECVYFVESSKLS DAGKVVCQCGYTHEQHLE
EATKPHTFQGTQWDPKKHVQEMPTDAFGDIVFTGLSQKVKKYVRVSQDTP
SSVIYHLMTQHWGLDVPNLLISVTGGAKNFMKPRLKSIFRRGLVKVAQT
TGAWIITGGSHTGVMKQVGEAVRDFSLSSSYKEGELITIGVATWGTVHRR
EGLIHPTGSFPAEYILDEDGQGNLTCLDSNHSFILVDDGTHGQYGV EIP
LRTRLEKFISEQTKERGGVAIKIPIVCVVLEGGPGTLHTIDNATTNGTPC
VVVEGSGRVADVIAQVANLPVSDITISLIQKLSVFFQEMFETFTESRIV
EWTKKIQDIVRRRQLLTVFREGKDQGDVDVAILQALLKASRSQDHFGE
NWDHQLKLAVAWNVRVDIARSEIFMDEWQWKPSDLHPTMTAALISNKPEFV
KLFLENGVLKEFVTWDTLLYLYENLDPSCLFHSLKQKVLVEDPERPACA
PAAPRLQMHHVAQVLRRELLGDFQTQPLYPRPRHNDRLRLLL PVP HVKLVNQ
GVSLRSLYKRSSGHVFTFTMDPIRDLLIWAIVQNRRELAGI IWAQSQDCIA
AALACSKILKELSKEEEDTDSSEMLALAE EYEHRAIGVFTECYRKDEER
AQKLLTRVSEAWGKTTCLQLALEAKDMKFVSHGGIQAFLTKVWWGQLSVD
NGLWRVTLCMLAFPLLLTGLISFREKRLQDVGTPAARARAFFTAPVVVFH
LNILSYFAFLCLFAYVLMVDFQPVPSWCECAIYLWLFSLVCEEMRQLFYD
PDECGLMKKAALYFSDFWNKLDVGAILLFVAGLTCRLIPATLYPGRVILS
LDFILFCLRLMHIFTISKTLGPKIIIVKRMMDVFFFLFLLAVWVVSFGV

AKQAILIHNERRVDWLFRGAVYHSYLTIFGQIPGYIDGVNFNPEHCSPNG
TDPYKPKCPESDATQQRPAFPEWLTVLLLCLYLLFTNILLNLLIAMFNY
TFQQVQEHTDQIWKFQRHDLIEEYHGRPAAPPPFILLSHLQLFIKRVVLK
TPAKRHKQLKNKLEKNEEAALLSWEIYLKENYLQNRQFQQKQRPEQKIED
ISNKVDAMVDLLDLDPLKRSGSMEQRLASLEEQAQTAQALHWIVRTLRA
SGFSSEADVPTLASQKAAEPPDAEPGGRKKTEEPGDSYHVNARHLLYPNC
PVTRFPVPNEKVPWETEFLIYDPPFYTAERKDAAAMDPMGDTLEPLSTIQ
YNVVDGLRDRRSFHGPYTVQAGLPLNPMGRTGLRGRGSLSCFGPNHTLYP
MVTRWRRNEDGAICRKSIIKMLEVLVVKLPLSEHWALPGGSREPGEMLP
KLKRILRQEHWPSPFENLLKCGMEVYKGYMDDPRNTDNEWIETVAVSVHFQ
DQNDVELNRLNSNLHACDSGASIRWQVVDRIPLYANHKTLLQKAAAEFG
AHY

Product Description

Expression Systems

HEK293

Tag

MBP tag at the N-terminus

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

TRPM2

Full Name

Transient receptor potential cation channel subfamily M member 2

Introduction

The protein encoded by this gene forms a tetrameric cation channel that is permeable to calcium, sodium, and potassium and is regulated by free intracellular ADP-ribose. The encoded protein is activated by oxidative stress and confers susceptibility to cell death. Alternative splicing results in multiple transcript variants encoding distinct protein isoforms. Additional transcript variants of this gene have been described, but their full-length nature is not known.

Alternative Names

KNP3; EREG1; TRPC7; LTRPC2; NUDT9H; LTpC-2; NUDT9L1; transient receptor potential cation channel subfamily M member 2; estrogen-responsive element-associated gene 1 protein; long transient receptor potential channel 2; transient receptor potential channel 7; transient receptor potential melastatin 2; TRPM2; Transient receptor potential cation channel subfamily M member 2

Gene ID

[7226](#)

UniProt ID

