

Recombinant Full Length Human TRPM4 Protein, C-Flag-tagged

Cat. No. TRPM4-1882HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TRPM4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	134.1 kDa
AA Sequence	MVVPEKEQSWIPKIFKKKTCTTFIVDSTDPGGTLCQCGRPRTAHPAVAMEDAFGA AVVTWWDSDAHTTEKPTDAYGELDFTGAGRKHSNFLRLSDRTDPAAVYSLVTRTWGF RAPNLVSVVLGGSGGPVLQTLWLQDLLRRGLVRAAQSTGAWIVTGGLHTGIGRHVG VAVRDHQMASTGGTKVAMGVAPWGVVRNRDTLINPKGSFPARYRWRGDPEDG VQFPLDYNYSAFFLVDDGTHGCLGGENRFRLRLESYISQKGTGVGGTGIDIPVLLLLI DGDEKMLTRIENATQAQLPCLLVAGSGGAADCLAETLEDTLAPGSGGARQGEARD RIRRRFPKGDLEVLQAQVERIMTRKELLTVYSSDGGSEEFETIVLKALVKACGSSEAS AYLDELRLAVAWNRVDIAQSELFRGDIQWRSFHLEASLMDALLNDRPEFVRLISHG

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LSLGHFLTPMRLAQLYSAAPSNLIRNLLDQASHSAGTKAPA LKGGAAELRPPDVG
HVLRLMLLGKMCAPRYPSGGAWDPHPGQGFGESMYLLSDKATSPLSLDAGLGQAP
WS DLLLWALLLNRAQMAMYFWEMGSNAVSSALGACLLLRVMARLEPDAEEAARR
KDLAFKFEGMGVDLFGEC YRSSEVRAARLLLRRCPLWGDATCLQLAMQADARAFF
AQDGVQSLLTQKWWGDMASSTPIWALVLAFFCP PLIYTRLITFRKSEEEPTREELEF
DMDSVINGEGPVGTADPAEKTPLGVPRQSGRPGCCGGRCGGRRCLR RWFHFWG
APVTIFMGNVVSYLLFLLLSRVLLVDFQPAPPGSLELLLYFWAFTLLCEELRQGLSG
GGGSL ASGGPGPGHASLSQRLRLYLADSWNQCDLVALTCFLLGVGCRLTPGLYHL
GRTVLCIDFMVFTVRLHIF TVNKQLGPKIVIVSKMMKDVFFFLFGLVWLVAYGVAT
EGLLRPRDSDFPSILRRVFYRPLYQIFGQIPQ EDMDVALMEHSNCSSEPGFWAHP
GAQAGTCVSQYANWLVLVLLLVIFLLVANILLVNLLIAMFSYTFGKV QGNSDLYWKAQ
RYRLIREFHSPALAPPFIVISHLRLLLRQLCRRPRSPQPSSPALEHFRVYLSKEAER
K LLTWESVHKENFLARARDKRESDSERLKRTSQKVDLALKQLGHIREYEQRLKVL
EREVQQCSRVLGWVA EALSRSALLPPGGPPPPDLPGSKD TRTRPLEQKLISEEDL
AANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

Full Length
Full L.

GENE INFORMATION

Gene Name

TRPM4 transient receptor potential cation channel subfamily M member 4 [Homo sapiens (human)]

Official Symbol

TRPM4

Synonyms

EKVP6; LTrpC4; PFHB1B; TRPM4B; hTRPM4

Gene ID

54795

mRNA Refseq

NM_017636.4

Protein Refseq

NP_060106.2

MIM

606936

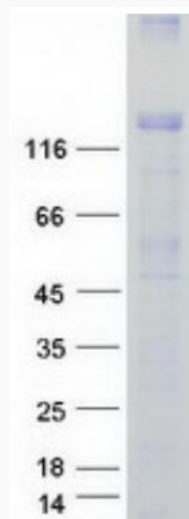
UniProt ID

Q8TD43

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Coomassie blue staining of purified TRPM4 protein.

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