

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 DGDEKMLTRIENTAQALPCLLVAGSGGAADCLAETLEDTLAPGSGGARQGEARD RIRRRFPKGDLEVLQAQVERIMTRKELLTVYSSDGGSEEFETIVLKALVKACGSSEAS AYLDELRLAVAWNRVDIAQSELFGRGDIQWRSFHLEASLMDALLNDRPEFVRLISHG

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LSLGHFLTPMRLAQLYSAAPSNLIRNLLDQASHSAGTKAPA LKGGAELRPPDVG
HVLRLMLLGKMCAPRYPSGGAWDPHPGQGFGESMYLLSDKATSPLSLDAGLGQAP
WS DLLLWALLLNRAQMAMYFWEMGSNAVSSALGACLLLRVMARLEPDAEEAARR
KDLAFKFEGMGVDLFGEC YRSSEVRAARLLLRRCPLWGDATCLQLAMQADARAFF
AQDGVQSLLTQKWWGDMASTTPIWALVLAFFCP PLIYTRLITFRKSEEEPTREELEF
DMDSVINGEGPVGTADPAEKTPLGVPRQSGRPGCCGGRGRRCLR RWFHFWG
APVTIFMGNVVSYLELLFSRVLLVDFQPAPPGSLELLLYFWAFTLLCEELRQGLSG
GGGSL ASGGPGPGHASLSQRLRLYLADSWNQCDLVALTCFLGVCRLTPGLYHL
GRTVLCIDFMVFTVRLHIF TVNKQLGPKIVIVSKMMKDVFFFLFGLVWLVAYGVAT
EGLLRPRDSDFPSILRRVFYRPLYQIFGQIPQ EDMDVALMEHSNCSSEPGFWAHP
GAQAGTCVSQYANWLVVLLLVIFLLVANILLVNLLIAMFSYTFGKV 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.

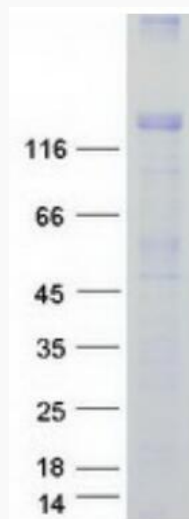
GENE INFORMATION

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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