

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	MVVPEKEQSWIPKIFKKTCTTFIVDSTDPGGTLCQCGRPRTAHPAVAMEDAFGA AV VTWWDSDAHTTEK PTDAYGELDFTGAGRKHSNFLRLSDRTPAAVYSLVTRTRTWGF RAPNLVSVVLGGSGGPVLQTLWLDLLRR GLVRAAQSTGAWIVTGGLHTGIGRHVG VAVRDHQMASTGGTKVAMGVAPWGVVVRNRDRLINPKGSFPAR YRWRGDPEDG VQFPLDYNYSAFFLVDDGTHGCLGGENRFRLRLESYISQQKTGVGGTGIDIPVLLLLI DG DEKMLTRIEATQAQLPCLLVAGSGGAADCLAETLEDTLAPGSSGARQGEARD RIRRRFPKGDLEVLQAQ VERIMTRKELLTVYSSEGDGSEEFETIVLKALVKACGSSEAS AYLDELRLAVAWNRVDIAQSELFGRDIQW RSFHLEASLMDALLNDRPEFVRLISHG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LSLGHFLTPMRLAQLYSAAPSNLIRNLLDQASHSAGTKAPA LKGGAAELRPPDVG
 HVLRMLLGKMCAPRYPSGGAWDPHPGQGFGESEMYLLSDKATSPLSLDAGLGQAP
 WS DLLLWALLLNRAQMAMYFWEMGSNAVSSALGACLLLRVMARLEPDAEEAARR
 KDLAFKFEGMGVDFGEC YRSSEVRAARLLLRRCPLWGDATCLQLAMQADARAFF
 AQDGVQSLLTQKWWGDMASSTPIWALVLAFFCP PLIYTRLITFRKSEEEPTREELEF
 DMDSVINGEGPVGTADPAEKTPLGVPRQSGRPGCCGGRCGGRRCLR RWFHFWG
 APVTIFMGNVVSYLLFLLLSRVLLVDFQPAPPGSLELLLYFWAFTLLCEELRQGLSG
 GGGSL ASGGPGPGHASLSQRLRLYLADSWNQCDLVALTCFLLGVGCRLTPGLYHL
 GRTVLCIDFMVFTVRLHIF TVNKQLGPKIVIVSKMMKDVFFFLFGLGVWLVA YGVAT
 EGLLRPRSDFPSILRRVFYRPLYQIFGQIPQ EDMDVALMEHSNCSSEPGFWAHP
 GAQAGTCVSQYANWLVVLLLVIFLLVANILLVNLIAMFSYTFGKV QGNSDLYWKAQ
 RYRLIREFHSPALAPPFIVISHLRLLLRQLCRRPRSPQPSSPALEHFRVYLSKEAER
 K LLTWESVHKENFLARARDKRESDSERLKRTSQKVDLALKQLGHIREYEQRLKVL
 EREVQQCSRVLGWVA EALSR SALLPPGGPPPDLP GSKD 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

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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](#)

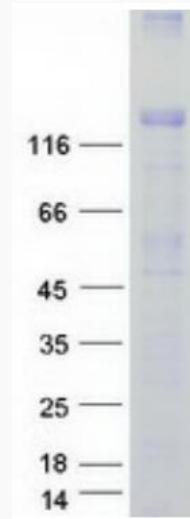
MIM [606936](#)

UniProt ID [Q8TD43](#)

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Coomassie blue staining of purified TRPM4 protein.

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