

Product datasheet for TP31688L

TRPM4 (NM_017636) Human Recombinant Protein

Product data:

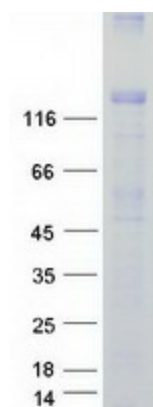
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human transient receptor potential cation channel, subfamily M, member 4 (TRPM4), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216888 representing NM_017636 Red=Cloning site Green=Tags(s)
	<p>MVVPEKEQSWIPKIFKKKTCTTFIVDSTDPGGTLCQCGRPRTAHPAVAMEDAFGAAVTVWDSDAHTTEK PTDAYGELDFTGAGRKHSNFLRSDRTDPAAVYSLVTRTWGFRAPNLVSVLGGSGGPVLQTLWQDLLRR GLVRAAQSTGAWIVTGGLHTGIGRHHVAVRDHQMSTGGTKVAMGVAPWGVVNRDRLINPKGSFPAR YRWRGDPEDGVQFPLDYNYSAFFLVDDGTHGCLGGENRFRLRLESYISQKGTGVGGTGIDIPVLLLLIDG DEKMLTRINATQAQLPCLLVAGSGGAADCLAETLEDTLAPGSGGARQGEARDRIRRRFFPKGDLEVLQAQ VERIMTRKELLTVSSEEDGSEEFETIVLKALVKACGSSEASAYLDELRLAVAWNRVDIAQSELFRGDIQW RSFHLEASLMDALLNDRPEFVRLLSHGSLGHFLTPMRLAQLYSAAPSNSLIRNLLDQASHSAGTKAPA LKGGAELRPPDVGHVLRMLLGKMCAPRYPSGGAWDPHPGQGFGESMYLLSDKATSPLSLDAGLGQAPWS DLLLLWALLLNRAQMAMYFWEMGSNAVSSALGACLLLRVMARLEPDAEEAARRKDLAFKFEGMGVDLFGEC YRSSEVRAARLLLRRCLPWGDATCLQLAMQADARAFFAQDGVQSLLTQKWWGDMASSTPIWALVLAFFCP PLIYTRLITFRKSEEEPTREELEFDMDSVINGEGPVGADPAEKTPLGVPRQSGRPGCCGGRCGRRCLR RWFHFWGAPVTIFMGNVVSYLELFLLSRVLLVDFQPAPPGSLELLLYFWAFTLLCEELRQGLSGGGGSL ASGGPGPGHASLSQRLRLYLADSWNQCDLVALTCFLGVCRLTPGLYHLGRTVLCIDFMVFTVRLHIF TVNKQLGPKIVIVSKMMKDVFFLFFLGVWLVAYGVAEGLLRPRDSDFPSILRRVFPYLPQIFGQIPQ EDMDVALMEHSNCSSEPGFWAHPGAQAGTCVSYANWLVLVLLVIFLLVANILLVNLIAMFSYTFGKV QGNSDLYWKAQRYRLIREFHSRPALAPPFIVISHLRLLRQLCRRRSPQPSSPALEHFRVYLSKEAERK LLTWESVHKENFLLARARDKRESDSERLKRTSQKVDLALKQLGHIREYEQLKVLEREVQQCSRVLGWVA EALSRSALLPPGGPPPPDLPGSKD</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	134.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_060106
Locus ID:	54795
UniProt ID:	Q8TD43
RefSeq Size:	4061
Cytogenetics:	19q13.33
RefSeq ORF:	3642
Synonyms:	EKVP6; hTRPM4; LTrpC4; PFHB1B; TRPM4B
Summary:	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. [provided by RefSeq, Mar 2016]
Protein Families:	Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

Product images:



Coomassie blue staining of purified TRPM4 protein (Cat# [TP316888]). The protein was produced from HEK293T cells transfected with TRPM4 cDNA clone (Cat# [RC216888]) using MegaTran 2.0 (Cat# [TT210002]).