

## Product datasheet for TP316888M

### TRPM4 (NM\_017636) Human Recombinant Protein

#### Product data:

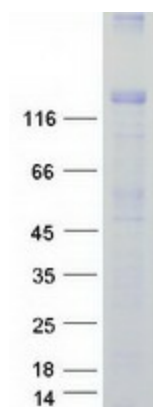
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human transient receptor potential cation channel, subfamily M, member 4 (TRPM4), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216888 representing NM_017636 Red=Cloning site Green=Tags(s)
	<p>MVVPEKEQSWIPKIFKKKTCTTFIVDSTDPGGTLCQCGRPRTAHPAVAMEDAFGAAVTVWDSDAHTTEK PTDAYGELDFTGAGRKHSNFLRSDRTDPAAVYSLVTRTWGFRAPNLVSVLGGSGGPVLQTLWQDLLRR GLVRAAQSTGAWIVTGGLHTGIGRHHVAVRDHQMSTGGTKVAMGVAPWGVVRNRDRLINPKGSFPAR YRWRGDPEDGVQFPLDYNYSAFFLVDDGTHGCLGGENRFRLRLESYISQQKTGVGGTGIDIPVLLLLIDG DEKMLTRINATQAQLPCLLVAGSGGAADCLAETLEDTLAPGSGGARQGEARDRIRRRFFPKGDLEVLQAQ VERIMTRKELLTVSSEEDGSEEFETIVLKALVKACGSSEASAYLDELRLAVAWNRVDIAQSELFRGDIQW RSFHLEASLMDALLNDRPEFVRLLSHGSLGHFLTPMRLAQLYSAAPSNLIRNLLDQASHSAGTKAPA LKGGAELRPPDVGHVLRMLLGKMCAPRYPSGGAWDPHPGQGFGESMYLLSDKATSPLSLDAGLGQAPWS DLLLLWALLLNRAQMAMYFWEMGSNAVSSALGACLLLRVMARLEPDAAEEARRKDLAFKFEGMGVDLFGEC YRSSEVRAARLLLRRCLPWGDATCLQLAMQADARAFFAQDGVQSLLTQKWWGDMASSTPIWALVLAFFCP PLIYTRLITFRKSEEEPTREELEFDMSVINGEGPVGADPAEKTPLGVPRQSGRPGCCGGRGRRCLR RWFHFWGAPVTIFMGNVVSYLELFLLSRVLLVDFQPAPPGSLELLLYFWAFTLLCEELRQGLSGGGGSL ASGGPGPGHASLSQRLRLYLADSWNQCDLVALTCFLLGVGCRLTPGLYHLGRTVLCIDFMVFTVRLHIF TVNKQLGPKIVIVSKMMKDVFFFLFGLVWLVAYGVATEGLLRPRDSDFPSILRRVYRYPYLQIFGQIPQ EDMDVALMEHSNCSSEPGFWAHPGAQAGTCVSYANWLVLLLVIFFLVANILLVNLIIAMFSYTFGKV QGNSDLYWKAQRYRLIREFHSRPAAPPFIVISHLRLLLRQLCRRRSPQPSSPALEHFRVYLSKEAERK LLTWESVHKENFLLARARDKRESDSERLKRTSQKVDLALKQLGHIREYEQLKVLREEVQQCSRVLGWVA 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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<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_060106</a>
<b>Locus ID:</b>	54795
<b>UniProt ID:</b>	<a href="#">Q8TD43</a>
<b>RefSeq Size:</b>	4061
<b>Cytogenetics:</b>	19q13.33
<b>RefSeq ORF:</b>	3642
<b>Synonyms:</b>	EKVP6; hTRPM4; LTrpC4; PFHB1B; TRPM4B
<b>Summary:</b>	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]
<b>Protein Families:</b>	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]).