

Product datasheet for PH316888

TRPM4 (NM_017636) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TRPM4 MS Standard C13 and N15-labeled recombinant protein (NP_060106)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216888
Predicted MW:	134.1 kDa
Protein Sequence:	>RC216888 representing NM_017636 Red=Cloning site Green=Tags(s)

MVVPEKEQSWIPKIFKKTCTTFIVDSTDPGGTLQCGRPRTAHPAVAMEDAFGAAVVTVWVSDAHTTEK
PTDAYGELDFTGAGRKHSNFLRLSDRTDPAAVYSLVTRTWGFRAPNLVSVLGGSGGPVLQTLWQDILLRR
GLVRAAQTSTGAWIVTGGLHTGIGRHVGVAVRDHQMASTGGTKVVAMGVAPWGVVNRDRTLINPKGSFPAR
YRWRGDPEDGVQFPLDYNYSAFFLVDDGTHGCLGGENRFRLRLESYISQQKTGVGGTGIDIPVLLLLIDG
DEKMLTRIEATQAQLPCLLVAGSGGAADCLAETLEDTLAPGSGGARQGEARDRIRRFPPKGDLEVLQAQ
VERIMTRKELLTVYSSDGESEFETIVLKALVKACGSSEASAYLDELRLAVAWNRVDIAQSELEFRGDIQW
RSFHLEASLMDALLNDRPEFVRLLSHGLSLGHFLTPMRLAQLYSAAPSNLIRNLLDQASHSAGTKAPA
LKGGAELRPPDVGHVLRMLLGKMCAPRYPSGGAWDPHPGQGFGESEMYLLSDKATSPLSLDAGLGQAPWS
DLLLLWALLLNRAQMAMFYWEMGSNAVSSALGACLLLRVMARLEPDAAEAARRKDLAFKFEKMGVDFLFGEC
YRSSEVRAARLLRRCPLWGDATCLQLAMQADARAFFAQDGVQSLLTQKWWGDMASSTPIWALVLAFFCP
PLIYTRLITFRKSEEEPTREELEFDMSVINGEGPVGTADPAEKTPLGVPQRQSGRPGCCGGRGRRCLR
RWFHFWGAPVTIFMGNVVSYLLFLLLSRVLLVDFQPAPPGSLELLL YFAFTLLCEELRQGLSGGGGSL
ASGGPGPGHASLSQRLRLYLADSWNQCDLVALTCFLLGVGCRLTPGLYHLGRTVLCIDFMVFTVRLHLIF
TVNKQLGPKIIVISKMMKDVFFLFFLVVWLVAYGVATEGLLRPRDSDFPSILRRVYRYPYLQIFGQIPQ
EDMDVALMEHSNCSSEPGFWAHPGAQAGTCVSYANWLVVLLLVIFLLVANILLVNLIIAMFSYTFGKV
QGNSDLYWKAQRYRLIREFHSRPALAPPFIVISHLRLLLRQLCRRPRSPQSPSPALEHFRVYLSKEAERK
LLTWESVHKENFLLARARDKRESDSLKRTSQKVDLALKQLGHIREYEQRLKVLEREVQCSRVLWVVA
EALSRSALLPPGPPPPDLPGSKD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

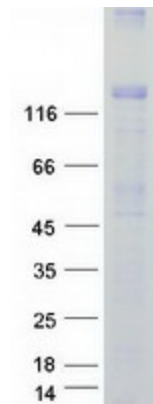
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine



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Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_060106
RefSeq Size:	4061
RefSeq ORF:	3642
Synonyms:	EKVP6; hTRPM4; LTrpC4; PFHB1B; TRPM4B
Locus ID:	54795
UniProt ID:	Q8TD43
Cytogenetics:	19q13.33
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]).