

Recombinant Human TRPM4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TRPM4-3438H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TRPM4 MS Standard C13 and N15-labeled recombinant protein (NP_060106) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	134.1 kDa
AA Sequence	MVVPEKEQSWIPKIFKKKTCTTFIVDSTDPGGTLCQCGRPRTAHPAVAMEDAFGA AVVTWVWSDAHTTEKPTDAYGELDFTGAGRKHSNFLRLSDRTDPAAVYSLVTRTWGF RAPNLVVSVLGGSGGPVLQTLWLQDLLRRGLVRAAQSTGAWIVTGGLHTGIGRHVG VAVRDHQMASTGGTKVVAMGVAPWGVVRNRDTLINPKGSFPARYRWRGDPEDGV QFPLDYNYSAFFLVDDGTHGCLGGENRFRLRLESYISQQKTGVGGTGIDIPVLLLLID GDEKMLTRIENATQAQLPCLLVAGSGGAADCLAETLEDTLAPGSGGARQGEARDRI RRRFFPKGDLEVLQAQVERIMTRKELLTVYSSGSEEFETIVLKALVKACGSSEASAY LDELRLAVAWNVRVDIAQSELFVRGDIQWRSFHLEASLMDALLNDRPEFVRLISHGLSL GHFLTPMRLAQLYSAAPSNLIRNLLDQASHSAGTKAPALKGGAAELRPPDVGHVLR

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MLLGKMCAPRYPSGGAWDPHPGQGFGESMYLLSDKATSPLSLDAGLGQAPWSDL
 LLWALLLNRAQMAMYFWEMGSNAVSSALGACLLLRVMARLEPDAEEAARRKDIAF
 KFEGMGVDLFGECYRSSEVRAARLLLRRCPWGDATCLQLAMQADARAFFAQDGV
 QSLLTQKWWGDMASSTPIWALVLAFFCPPLIYTRLITFRKSEEEPTREELEFDMDSVI
 NGE GPVGTADPAEKTPLGVPRQSGRPGCCGGRCGGRRCLRRWFHFWGAPVTIFM
 GNVVSYLLFLLFSRVLLVDFQPAPPGSLELLLYFWAFTLLCEELRQGLSGGGGSLA
 SGGPGPGHASLSQRLRLYLADSWNQCDLVALTCFLLGVGCRLTPGLYHLGRTVLCI
 DFMVFTVRLHIFTVNKQLGPKIVIVSKMMKDVFFFLFLGVWLVA YGVATEGLLRPR
 DSDFPSILRRVFYR PYLQIFGQIPQEDMDVALMEHSNCSSEPGFWAHPPGAQAGTC
 VSQYANWLVLVLLVIFLLVANILLVNLLIAMFSYTFGKVQGNSDLYWKAQRYRLIREFH
 SRPALAPPFIVISHLRLLLRQLCRRPRSPQPSSPALEHFRVYLSKEAERKLLTWESVH
 KENLLARARDKRESDSERLKRTSQKVDLALKQLGHIREYEQRLKVLEREVQQCSR
 VLGWVAEALSRSALLPPGGPPPPDLPGSKDTRTRPLEQKLISEEDLAANDILDYKDD
 DDKV

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Stability

Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage

Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration

50 µg/mL as determined by BCA

Storage Buffer

100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name

TRPM4 transient receptor potential cation channel subfamily M member 4 [Homo sapiens (human)]

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Official Symbol	TRPM4
Synonyms	TRPM4; transient receptor potential cation channel, subfamily M, member 4; transient receptor potential cation channel subfamily M member 4; FLJ20041; LTrpC4; hTRPM4; melastatin-4; long transient receptor potential channel 4; calcium-activated non-selective cation channel 1; PFHB1B; TRPM4B;
Gene ID	54795
mRNA Refseq	NM_017636
Protein Refseq	NP_060106
MIM	606936
UniProt ID	Q8TD43
SDS-PAGE	