

# 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

MVVPEKEQSWIPKIFKKKTCTTFIVDSTDPGGTLCQCGRPRTAHPAVAMEDAFGAAV  
 VTWVWSDAHTTEKPTDAYGELDFTGAGRKHSNFLRLSDRTDPAAVYSLVTRTWGF  
 RAPNLVVSVLGGSGGPVLQTLWLQDLLRRGLVRAAQSTGAWIVTGGLHTGIGRHVG  
 VAVRDHQMASTGGTKVAMGVAPWGVVRNRDTLINPKGSFPARYRWRGDPEDGV  
 QFPLDYNYSAFFLVDDGTHGCLGGENRFRRLRLESYISQQKTGVGGTGIDIPVLLLLID  
 GDEKMLTRIEATQAQLPCLLVAGSGGAADCLAETLEDTLAPGSGGARQGEARDRI  
 RRRFFPKGDLEVLQAQVERIMTRKELLTVYSSDGDSEEFETIVLKVACGSSEASAY  
 LDELRLAVAWNRVDIAQSELRGDIQWRSFHLEASLMDALLNDRPEFVRLISHGLSL  
 GHFLTPMRLAQLYSAAPSNLIRNLLDQASHSAGTKAPALKGGAAELRPPDVGHVLR

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MLLGKMCAPRYPSGGAWDPHPGQGFGESEMYLLSDKATSPLSLDAGLGQAPWSDL  
 LLWALLLNRAQMAMYFWEMGSNAVSSALGACLLLRVMARLEPDAEEAARRKDIAF  
 KFEGMGVDLFGECYRSSEVRAARLLLRRCPWGDATCLQLAMQADARAFFAQDGV  
 QSLLTQKWWGDMASSTPIWALVLAFFCPPLIYTRLITFRKSEEEPTREELEFDMSVI  
 NGEQPVGTADPAEKTPLGVPRQSGRPGCCGGRCGGRRCLRRWFHFWGAPVTIFM  
 GNVVSYLLFLLFSRVLLVDFQPAPPGSLELLLYFWAFTLLCEELRQGLSGGGGSLA  
 SGGPGPGHASLSQRLRLYLADSWNQCDLVALTCFLLGVGCRLTPGLYHLGRTVLCI  
 DFMVFTVRLHIFTVKNQLGPKIVIVSKMMKDVFFFLFLGVWLVAYGVATEGLLRPR  
 DSDFPSILRRVRYRYPYLQIFGQIPQEDMDVALMEHSNCSSEPGFWAHPPGAQAGTC  
 VSQYANWLVLVLLVIFLLVANILLVNLLIAMFSYTFGKVQGNSDLYWKAQRYRLREFH  
 SRPALAPPFIVISHLRLLLRQLCRRPRSPQPSSPALEHFRVYLSKEAERKLLTWESVH  
 KENLLARARDKRESDSERLKRYSQKVDLALKQLGHIREYEQLKVLEREVQQCSR  
 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.

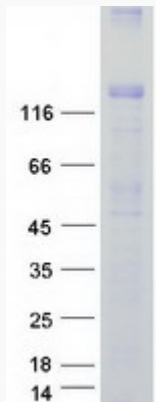
## GENE INFORMATION

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

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<b>Official Symbol</b>	TRPM4
<b>Synonyms</b>	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;
<b>Gene ID</b>	54795
<b>mRNA Refseq</b>	NM_017636
<b>Protein Refseq</b>	NP_060106
<b>MIM</b>	606936
<b>UniProt ID</b>	Q8TD43
<b>SDS-PAGE</b>	

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