

Recombinant Human TRPC3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TRPC3-6113H Lot. No. (See product label)

SPECIFICATION

Product Overview	TRPC3 MS Standard C13 and N15-labeled recombinant protein (NP_003296) 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 membrane protein that can form a non-selective channel permeable to calcium and other cations. The encoded protein appears to be induced to form channels by a receptor tyrosine kinase-activated phosphatidylinositol second messenger system and also by depletion of intracellular calcium stores. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	97.4 kDa
AA Sequence	MEGSPSLRRMTVMREKGRRQAVRGPAFMFNDRGTSLTAAEEERFLDAAEYGNIPVV RKMLEESKTLNVNCVDYMGQNALQLAVGNEHLEVTELLKKENLARIGDALLLAISK GYVRIVEAILNHPGFAASKRLTLSPCEQELQDDDFYAYDEDGTRFSPDITPIILAAHCQ KYEVVHMLLMKGARIERPHDYFCKCGDCMEKQRHDSFSHSRSRINAYKGLASPAYL SLSSDPVLTALELSNELAKLANIEKEFKNDYRKLSMQCKDFVVGVLDCRDSEEE AILNGDLESAEPLEVHRHKASLSRVKLAIKYEYVKKFVAHPNCQQQLLTIWYENLSGLR EQTIAIKCLVVLVVALGLPFLAIGYWIAPCSRLGKILRSPFMKFVAHAASFIIFLGLLVFN

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ASDRFEGITTLPNITVTDYPKQIFRVKTTQFTWTEMLIMVWVLGMMWSECKELWLEG
 PREYILQLWNVLDFGMLSIFIAAFTARFLAFLQATKAQQYVDSYVQESDLSEVTLPEI
 QYFTYARDKWLPSPDQIISEGLYAIHVLSFSRIAYILPANESFGPLQISLGRTVKDIFK
 FMVLFIMVFFAFMIGMFILYSYLLGAKVNAAFTTVEESFKTLFWSIFGLSEVTSVVLKY
 DHKFIENIGYVLYGIYNVTMVVLLNMLIAMINSSYQEIEDSDSVEWKFARSKLWLSY
 FDDGKTLPPPFSLVPSPKSFVYFIMRIVNFPKCRRRRLQKDIEMGMGNSKSRLNLT
 QSNSRVFESHFSNLSILNQPTRYQQIMKRLIKRYVLKAQVDKENDEVNEGELKEIKQDI
 SSLRYELLEDKSQATEELAILHKLSEKLNPSMLRCETRTRPLEQKLISEEDLAANDILD
 YKDDDDKV

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	TRPC3 transient receptor potential cation channel subfamily C member 3 [Homo sapiens (human)]
Official Symbol	TRPC3
Synonyms	TRPC3; transient receptor potential cation channel, subfamily C, member 3; short transient receptor potential channel 3; hTrp-3; transient receptor protein 3; TRP3;

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Gene ID	7222
mRNA Refseq	NM_003305
Protein Refseq	NP_003296
MIM	602345
UniProt ID	Q13507
SDS-PAGE	