

Product datasheet for **RC217841**

TRPM3 (NM_001007471) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRPM3 (NM_001007471) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRPM3
Synonyms:	GON-2; LTRPC3; MLSN2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC217841 representing NM_001007471 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGGATCGCC**

ATGCCAGAGCCGTGGGGACCGTTTATTTCTAGGCATTGCTCAGGTTTTCAGTTTCTTGTTCCTGGT
GGAATTTGGAAGGGTTCATGAATCAGGCTGATGCTCCTCGACCCCTAACTGGACCATCCGAAGCTGTG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence:

>RC217841 representing NM_001007471

Red=Cloning site Green=Tags(s)

MPEPWGTVYFLGIAQVFSFLFSWWNLEGVMNQADAPRPLNWTIRKLCHAAFLPSVRLKKAQKSWIERAFY
KRECVHIIPSTKDPHRCCCGRLIGQHVGLTPSISVLQNEKNESRLSRNDIQSEKWSISKHTQLSPTDAFG
TIEFQGGGHSNKAMYVVRVSDTKPDLHLMTKEWQLELPKLLISVHGGLQNFELQPKLKQVFGKGLIKA
AMTTGAWIFTGGVNTGVIIRHVGDKDASKSRGKICTIGIAPWGIENQEDLIGRDVVRPYQTMSPMS
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SFSSDYTHLPECQNPWDEPPMYHTIERSKSSRYLATTFFLEEAPIVKSHSFMFSPSRSYANFVGPVK
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ISSQEGDNSERTLSNNITVPKIERANSYSAEEPSAPYAHRKSFISDKLDRQRNTASLRNPFQRSKSSK
PEGRGDSLMMRRLSRTSAFQSFESKHN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001007471.4](#)

RefSeq Size: 6288 bp

RefSeq ORF: 5124 bp

Locus ID: 80036

UniProt ID: [Q9HCF6](#)

Cytogenetics: 9q21.12-q21.13

Protein Families: Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

MW: 194.7 kDa

Gene Summary: The product of this gene belongs to the family of transient receptor potential (TRP) channels. TRP channels are cation-selective channels important for cellular calcium signaling and homeostasis. The protein encoded by this gene mediates calcium entry, and this entry is potentiated by calcium store depletion. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]