

Product datasheet for **MC221125**

Tmc8 (NM_001195090) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Tmc8
Synonyms:	Ever2; EVIN2; mFLJ00400
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC221125 representing NM_001195090
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTTTCGCCAGTGGTCGGTGCAGTCAGGACCAGCCCCACGAAGGCCTGAATCCCAGGCGGCCTCGGAGG
 AGCTGTGGGAGCAAGAAGTGGAGCGGCTATGCGCCTCCCGACGCCTGTGCGGATGCTGCCTTACGCCAT
 GGCAGACAAGCGCTTCATCCGGGAAGTGCAGGAGCCGAGGAGTGAAGACCACCTTCTGGCAGCGGTGG
 CATCGCCCGAGGCGGTGGCGCGACAACACCTGAGGGAGGCAGAGCAACGGCTGGCCCGCGGCTTCGGTC
 TCTGGGAGGAGCTCTCTACGAGATTGGGGGCTCTTCGGAACCGGGATCCAGTCTACTTCACTTCTCT
 TCGCTTCCCTGCTGCTCAACCTGCTGACCATGCTGCTGACTGCCTGCTTTGTGCTGCTGCCCTGGTC
 TGGCTCCGCCCCCTGAGCTAGGCCCTGCCTGAACTGAGACTCCAGTCTCCAGCAGCCCCCTGCCTC
 AGAGTGACATTCCAAGTTTCAACAACCACTTTGGAATATTTAACGGGCAGAGCCTTCAACAACACCTA
 TCTCTTCTACGGTGCCTACCGAGCGGGGCCAGAGAGCAGCTCTGAATACAGCATCCGCTGGCCTACCTC
 CTTAGCCCGATGGTCTGCTGCTCCTCTGTTTCTGTGGGATCTGCAGAGGATGGCAGAAGGCCTACCCC
 AGCAGACACTCTTGGTCAGCGCTACAGGACACCCCTCAGCGCCAAAGTGTCTCATCTGGGACTTCTG
 CATCCGGGTGTGGGAAGCCGCCACCATCAAGAAGCAGCAAAATCAGCAATGAAGTGAAGTGTGTCTGGAA
 GAGGGCCCGCGGTGGAGCTGGCTCAACAACAGACCAGGGCCAGGAAGGCCTGCCGCTGCTCACCTACC
 TTCGACCAACATCCTCATTGTGCTCCTAGTGGTGGAGCCATCAGCGCCATCTTCTGGGCCACCAAGTA
 CTCACAGGACAACAAGGAGGAGTCCCTTTTCTGGTGTCCAGTACTTGCCTCCTGGAGTCACTCTCCCTG
 GTCAACTTCTGGGCCCAATTGTTACAGTCTGATCCAGCTGGAGAACTACCTCCCGCACTGAAG
 TCAACCTCACCTGATCTGGTGCCTGGTGTGAAGCTGGCCAGCTTGGGCATGTTCTCTTCTCCCTGGG
 TCAGACGGTGTGTGCATAGGCAGAAACAAGACCAGCTGCGAGTCTACGGCTACAACGCTTGCAGCTAC
 CAGTGTCTGGGAGAACTCGGTGGGCGAAGAATTATATAAGTTAATCATCTTCAACTTCTGCTCACCGTGG
 CCTTCGCCCTTCTGGTCAGCCTGCCTCGAAGGCTGTTAGTGGAGCGCTTCTCGGGCTGGTCTGGACTTG
 GCTAGACCGGGAGGAGTTCCTGGTGCCTAAGAATGTGCTGGACATCGTGGCTGCACAGACTGTCACTGG
 ATGGGCTCTTCTACTGCCCTGCTGCCACTACTCAACAGTGTCTTCTCTTTCTCACTTCTACATCA
 AGAAGTACACCTCCTGAGGAAGTCCAGGGCGTCCCGCGGCGTTTCCGAGCCTCCAGCTCCACCTTCTT
 CTTCCACCTGGTGTCTCCTAGGCCTGCTTTGGTGCAGTACCTTGGCCTACGTGATCAGCAGCACC
 CACTCTCTGGGACTGTGGCTCTTCAAACTATTGGCCCCCTGGCAGGTGGTACCGAGCTGGTAG
 CCCTCCAGTCCCACTTCTAGCCAGCGTCCCCTCCGTTACCTCAGCTCCACGCCTTCAGCTTCCCACT
 CCTATTCTGCTCAGCATCGTCTGACGGTTTGCATCTCCAGTCCCGGGCGAATGCCAGAGCCATCCAG
 GGGTGAAGCAACTGGTGTGGCAGGTCCAGGAAAGTGGCACCTGGTGGACGACCTGTGCGGGCTGC
 TGCCAGAACTGAGCCAGAGCCCGGTCCCCTCACTCTCGAGCTTCGCGTCCACGATCCTTCTGTCTGG
 ATTTCCATGCCCAGGCTCGCCCGGTCCCAGGACACCCAGGCTGGCACCTCCAAACAGGCTGAGCTCCTCG
 AGCCTCGGAGCCCCAGTGCCTCGGTTCTGCCTCCAGATTCACTTCCCAGCCGACAGAGCTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001195090

Insert Size:

2169 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001195090.1, NP_001182019.1</u>
RefSeq Size:	2686 bp
RefSeq ORF:	2169 bp
Locus ID:	217356
UniProt ID:	<u>Q7TN58</u>
Cytogenetics:	11 E2
Gene Summary:	Probable ion channel.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (D) differs in the 5' UTR, lacks a portion of the 5' coding region, initiates translation at a downstream start codon, and uses three alternate in-frame splice sites in the 5' coding region, compared to variant A. The resulting protein (isoform D) has a distinct N-terminus and is shorter than isoform A. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.