

Product datasheet for **MC221123**

Tmc8 (NM_001195089) 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)



Fully Sequenced ORF:

>MC221123 representing NM_001195089
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTTTCGCCAGTGGTCGGTGCAGTCAGGACCAGCCCCACGAAGGCCTGAATCCCAGGCGGCCTCGGAGG
 AGCTGTGGGAGCAAGAAGTGGAGCGGCTATGCGCCTCCCGACGCCTGTGCGGATGCTGCCTTACGCCAT
 GGCAGACAAGCGCTTCATCCGGAACTGCGGGAGCCCGAGGAGTGAAGACCACCTTCTGGCAGCGGTGG
 CATCGCCCGAGGCGGTGGCGCGACAACACCTGAGGGAGGCAGAGCAACGGCTGGCCCGCGGCTTCGGTC
 TCTGGGAGGAGCTCTCTACGAGATTGGGGGCTCTTCGGAACCGGGATCCAGTCTACTTCACTTTCCT
 TCGCTTCTCTGCTGCTCAACCTGCTGACCATGCTGCTGACTGCCTGCTTTGTGCTGCTGCCCCTGGTC
 TGGCTCCGCCCCCTGAGCTAGGCCCTGCCTGAACTGACAGGACTCCAGTGTCCAGCAGCCCCCTGC
 CTCAGAGTGACATTCCAAGTTTCAACAACCACTTTGGAATATTTAACGGGCAGAGCCTTCAACAACAC
 CTATCTCTTACGGTGCCTACCGAGCGGGCCAGAGAGCAGCTCTGAATACAGCATCCGCTGGCTAC
 CTCCTTAGCCCGATGGTGTGCTGCTCTGTTTCTGTGGGATACTGCAGAGGATGGCAGAAAGGCTAC
 CCCAGCAGACACTCTTGGGTACGCGTACAGGACACCCCTCAGCGCCAAAGTGTTCATCTCGGACTT
 CTGCATCCGGGTGTGGGAAGCCGCCACCATCAAGAAGCACGAAATCAGCAATGAACTGAAGATGGAGCTG
 GAAGAGGGCGCCGCTGGAGCTGGCTCAACAACAGACCAGGGCCAGAAGGCTGCCGCTGCTCACCT
 ACCCTTCGCACCAACATCCTCATTGTGCTCCTAGTGGTCGGAGCCATCAGCGCCATCTTCTGGGCCACCAA
 GTACTCACAGGACAACAAGGAGGAGTCCCTTTTTCTGGTGCTCCAGTACTTGCCTCCTGGAGTCATCTCC
 CTGGTCAACTTCTGGGCCCCAATTGTTACAGTCTGATCCAGTGGAGAACTACCCTCCCGGCACTG
 AAGTCAACCTCACCTGATCTGGTGCCTGGTCTGAAGCTGGCCAGCTTGGCATGTTCTCTTCTCCCT
 GGGTCAGACGGTGTGTCATAGGCAGAAACAAGACCAGCTGCGAGTCTACGGCTACAACGCTTGCGAC
 TACAGTGTGGGAGAACTCGGTGGGCAAGAATTATATAAGTTAATCATCTTCAACTTCTGCTCACCG
 TGGCCTTCGCCTTCTGGTCAAGCTGCCTCGAAGGCTGTTAGTGGAGCGCTTCTCGGCTGGTCTGGAC
 TTGGCTAGACCGGAGGAGTTCCTGGTGCCTAAGAATGTGCTGGACATCGTGGTGCACAGACTGTCACC
 TGGATGGGCTCTTCTACTGCCCCCTGCTGCCACTACTCAACAGTGTCTTCTCTTTCTACCTTTCTACA
 TCAAGAAGTACACCTCCTGAGGAACTCCAGGCGTCCCCGCGGCGTTTCCGAGCCTCCAGTCCACCTT
 CTTCTTCCACCTGGTGTGCTCCTAGGCTGCTTTGGCTGCAGTACCTTGGCCTACGTGATCAGCAGC
 ACCCACTCCTCCTGGGACTGTGGCTCTTCAAACTATTGGCCCCCTGGCAGGTGGTACCGAGCTGG
 TAGCCCTCCAGTCCCACTTCTAGCCAGCGTGCCTCCGTTACCTCAGTCCACGCTTTCAGTTCCTC
 ACTCCTCATTCTGCTCAGCATCGTCTGACGTTTGCATCTCCAGTCCCGGGGAATGCCAGAGCCATC
 CAGGGGCTGAGGAAGCAACTGGTGTGGCAGGTCCAGGAAAAGTGGCACCTGGTGGACGACCTGTGCGGCG
 TGCTGCCAGAACTGAGCCAGAGCCCGGTCCCTCACTCTCGAGTTCGCGTCCACGATCCTTCTGTCC
 TGGATTTCCATGCCAGGCTCGCCCGGTCCAGGACACCCAGGCTGGCACCTCCAACAGGCTGAGCTCC
 TCGAGCTCGAGCCCCAGTGCCTCGGTTCTGCCTCCAGATTTCACTTCCCGAGCCGACAGAGCTGT
 AG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001195089

Insert Size:

2172 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:	NM_001195089.1 , NP_001182018.1
RefSeq Size:	2689 bp
RefSeq ORF:	2172 bp
Locus ID:	217356
Cytogenetics:	11 E2
Gene Summary:	Probable ion channel.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (B) differs in the 5' UTR, lacks a portion of the 5' coding region, initiates translation at a downstream start codon and uses an alternate in-frame splice site in the 5' coding region, compared to variant A. The resulting protein (isoform B) has a distinct N-terminus and is shorter than isoform A. Sequence Note: This RefSeq record was created from 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.