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Product datasheet for MC221124

Tmc8 (NM_181856) 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:

>MC221124 representing NM_181856
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTTCGCCAGTGGTCGGTGCAGTCAGGACCAGCCCCACGAAGGCCTGAATCCCAGGCGGCCTCGGAGG
AGCTGTGGGAGCAAGAAGTGGAGCGGCTATGCGCCTCCCGGACGCCTGTGCGGATGCTGCCTTACGCCAT
GGCAGACAAGCGCTTCATCCGGGAACTGCGGGAGCCCGAGGGAGTGAAGACCACCTTCTGGCAGCGGTGG
CATCGCCCGAGGCGGGTGGCGCGACAACACCTGAGGGAGGCAGAGCAACGGCTGGCCCGCGGCTTCGGTC
TCTGGGAGGGAGCTCTCTACGAGATTGGGGGCCTCTTCGGAACCGGGATCCAGTCCTACTTCACTTTCCT
TCGCTTCCTGCTGCTGCTCAACCTGCTGACCATGCTGCTGACTGCCTGCTTTGTGCTGCTGCCCCTGGTC
TGGCTCCGCCCCCCTGAGCTAGGCCCTGCCCTGAAACTGAGACTCCAGTGCTCCAGCAGCCCCCTGCCTC
AGAGTGACATTCCAAGGTTTCACAACCCACTTTGGAATATTTTAACGGGCAGAGCCTTCAACAACACCTA
TCTCTTCTACGGTGCCTACCGAGCGGGGCCAGAGAGCAGCTCTGAATACAGCATCCGCCTGGCCTACCTC
CTTAGCCCGATGGTCTGCCTGCTCCTCTGTTTCTGTGGGATACTGCAGAGGATGGCAGAAGGCCTACCCC
AGCAGACACTCTTGGGTCAGCGCTACAGGACACCCCTCAGCGCCAAAGTGTTCTCATCCTGGGACTTCTG
CATCCGGGTGTGGGAAGCCGCCACCATCAAGAAGCACGAAATCAGCAATGAACTGAAGATGGAGCTGGAA
GAGGGCCGCCGCGTGGAGCTGGCTCAACAACAGACCAGGGCCCAGAAGGCCTGCCGCCTGCTCACCTACC
TTCGCACCAACATCCTCATTGTGCTCCTAGTGGTCGGAGCCATCAGCGCCATCTTCTGGGCCACCAAGTA
CTCACAGGACAACAAGGAGGAGTCCCTTTTTCTGGTGCTCCAGTACTTGCCTCCTGGAGTCATCTCCCTG
GTCAACTTCCTGGGCCCCCAATTGTTCACAGTCCTGATCCAGCTGGAGAACTACCCTCCCGGCACTGAAG
TCAACCTCACCCTGATCTGGTGCGTGGTGCTGAAGCTGGCCAGCTTGGGCATGTTCTCCTTCTCCCTGGG
TCAGACGGTGCTGTGCATAGGCAGAAACAAGACCAGCTGCGAGTCCTACGGCTACAACGCTTGCGACTAC
CAGTGCTGGGAGAACTCGGTGGGCGAAGAATTATATAAGTTAATCATCTTCAACTTCCTGCTCACCGTGG
CCTTCGCCTTCCTGGTCAGCCTGCCTCGAAGGCTGTTAGTGGAGCGCTTCTCGGGCTGGTTCTGGACTTG
GCTAGACCGGGAGGAGTTCCTGGTGCCTAAGAATGTGCTGGACATCGTGGCTGCACAGACTGTCACCTGG
ATGGGCCTCTTCTACTGCCCCCTGCTGCCACTACTCAACAGTGTCTTCCTCTTTCTCACCTTCTACATCA
AGAAGTACACCCTCCTGAGGAACTCCAGGGCGTCCCCGCGGCGTTTCCGAGCCTCCAGCTCCACCTTCTT
CTTCCACCTGGTGCTGCTCCTAGGCCTGCTTTTGGCTGCAGTACCTCTGGCCTACGTGATCAGCAGCACC
CACTCCTCCTGGGACTGTGGCCTCTTCACAAACTATTCGGCCCCCTGGCAGGTGGTACCCGAGCTGGTAG
CCCTCCAGCTCCCACTTCCTAGCCAGCGTGCCCTCCGTTACCTCAGCTCCCACGCCTTCAGCTTCCCACT
CCTCATTCTGCTCAGCATCGTCCTGACGGTTTGCATCTCCCAGTCCCGGGCGAATGCCAGAGCCATCCAG
GGGCTGAGGAAGCAACTGGTGTGGCAGGTCCAGGAAAAGTGGCACCTGGTGGACGACCTGTCGCGGCTGC
TGCCAGAACTGAGCCCAGAGCCCGGGTCCCCTCACTCTCGAGCTTCGCGTCCACGATCCTTCTGTCCTGG
ATTTCCATGCCCAGGCTCGCCCGGTCCCAGGACACCCAGGCTGGCACCCTCCAACAGGCTGAGCTCCTCG
AGCCTCGGAGCCCCCAGTGCCTCGGTTCCTGCCTCCAGATTTCACTTCCCCAGCCGCACAGAGCTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_181856

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:	NM_181856.2, NP_862904.1
RefSeq Size:	2686 bp
RefSeq ORF:	2169 bp
Locus ID:	217356
UniProt ID:	Q7TN58
Cytogenetics:	11 E2
Gene Summary:	Probable ion channel.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (C) 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 C) 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.