

Product datasheet for **MC203812**

Timm17a (NM_011590) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Timm17a (NM_011590) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Timm17a
Synonyms:	17kDa; mTim17a
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC010830 GCCAAGATGGAGGAATACGCGAGAGAGCCGTGCCCTGGCGAATTGTAGATGACTGTGGCGGTGCATTTA CCATGGGCACCATAGGTGGTGGCATCTTCCAGGCCTTCAAAGGTTTTCGAAATTCCTCAGTGGGAATAAA CCACAGACTCCGAGGAAGTTTGACAGCTATTAACCAGGGCTCCACAGTTGGGAGGTAGCTTTGCAGTT TGGGGAGGACTGTTTTCCACGATTGACTGCAGTATGGTTCAAATACGAGGCAAAGAAGACCCCTGGAAC CCATCACTAGCGGTGCCTAACAGGAGCCATCCTGGCAGCAAGAAATGGACCGGTAGCCATGGTTGGGTC CGCTGCGATGGGCGGCATTCTCTAGCTTTAATTGAAGGAGCTGGTATCTTGCTGACAAGATTTGCCTCT GCACAGTTTCCCAATGGCCCTCAGTTCAGTGAAGATCACTCCCAGTTGCCTTCCAGCCAGTTGCCATCCT CGCCGTTTGGAGACTACCGACAGTATCAGTAGGACTTGGTTCCAGGATTCCTGGAACCGGGTGGACTGT AGTTCCGTAGGATTTCAGAAGATCAAGTACAGTCTGTTTAAAGCCTTAGGTGGGACATCAGCGGCCAAG CGGGCCATAAAGAGACATTTAGCACATTTTCTATTTAAAGAGACTCAGAGGGTAAAAATATACTGAG TTTATTTATTCTTGCTTGGATTGCATCTGTGATCAAAATAAATGTCTAATACCATTTAAAGAATGTATAT GAGCTTAGAAGATAAAGGACCAAAGGCCAAATAACAGTGACACTCCACCATCATTCTTCGGGACTTCTC TGCTTGGTGTGTGTACAGTTATTCAGACAATAAAAGGCTTCTGGGACTTAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_011590
Insert Size:	516 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).



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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: [BC010830](#), [AAH10830](#)

RefSeq Size: 924 bp

RefSeq ORF: 516 bp

Locus ID: 21854

UniProt ID: [Q9Z0V8](#)

Cytogenetics: 1 E4

Gene Summary: Essential component of the TIM23 complex, a complex that mediates the translocation of transit peptide-containing proteins across the mitochondrial inner membrane.
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 1.