

Product datasheet for **MC207479**

Timm8a1 (NM_013898) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Timm8a1 (NM_013898) Mouse Untagged Clone
Tag: Tag Free
Symbol: Timm8a1
Synonyms: Ddp1; DXHXS1274E; Fci-12; Tim8a; Timm8a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207479 representing NM_013898
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGTCTCCACGTCCTCTTCGGGCTCGGCTCTGGGCGCCGTGGACCCTCAGTTGCAGCATTTTCATCG
AGGTGGAGACGCAGAAGCAGCGCTTCAGCAGCTGGTGCACCAGATGACGGAACCTTGCTGGGAGAAGTG
CATGGATAAGCCTGGGCCTAAGTTGGACAGTCGGGCTGAGGCCTGTTTTGTGAAGTGCCTTGAACGCTTC
ATTGATACAAGCCAGTTCATCTTAATCGACTGGAACAGACCCAGAAGTCCAACCCGCTTCTCAGAAA
GCCTTTCTGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_013898

Insert Size: 294 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: [NM_013898.3](#), [NP_038926.1](#)

RefSeq Size: 1243 bp

RefSeq ORF: 294 bp

Locus ID: 30058

UniProt ID: [Q9WVA2](#)

Cytogenetics: X 56.18 cM

Gene Summary: Mitochondrial intermembrane chaperone that participates in the import and insertion of some multi-pass transmembrane proteins into the mitochondrial inner membrane. Also required for the transfer of beta-barrel precursors from the TOM complex to the sorting and assembly machinery (SAM complex) of the outer membrane. Acts as a chaperone-like protein that protects the hydrophobic precursors from aggregation and guide them through the mitochondrial intermembrane space. The TIMM8-TIMM13 complex mediates the import of proteins such as TIMM23, SLC25A12/ARALAR1 and SLC25A13/ARALAR2, while the predominant TIMM9-TIMM10 70 kDa complex mediates the import of much more proteins (By similarity).[UniProtKB/Swiss-Prot Function]