

Product datasheet for **MC207282**

Timm10b (NM_019502) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Timm10b (NM_019502) Mouse Untagged Clone
Tag: Tag Free
Symbol: Timm10b
Synonyms: Fxc1; Tim9b; Tim10b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207282 representing NM_019502
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGCAGCAGCAGCAACTGAGAACTTGCAGACTTCTGTTGGTCTACAATCGGATGACAGAAC
TGTGTTCCAGCGCTGTGTGCCAGCCTGCACCACCGAGCTCTGGACGCTGAGGAGGAGGCTGCCTGCA
CAGCTGTGCTGGAACTCATCCATTCTAACCACCGCCTCATGGCCGCTTACGTGCACCTCATGCCCGCC
CTGGTCCAGCGCCGATCGCGGACTACGAGGCTGCCTCGCCCGCCAGGTATTCCTGCAGAACAGACCA
GAGACTCGCCATCAGGCAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_019502

Insert Size: 303 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_019502.2](#), [NP_062375.1](#)

RefSeq Size: 1013 bp

RefSeq ORF: 303 bp

Locus ID: 14356

UniProt ID: [Q9WV96](#)

Cytogenetics: 7 E3

Gene Summary: Component of the TIM22 complex, a complex that mediates the import and insertion of multi-pass transmembrane proteins into the mitochondrial inner membrane. The TIM22 complex forms a twin-pore translocase that uses the membrane potential as the external driving force. In the TIM22 complex, it may act as a docking point for the soluble 70 kDa complex that guides the target proteins in transit through the aqueous mitochondrial intermembrane space.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (6), as well as variants 4 and 5, encodes isoform d. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.