

Product datasheet for **MG200170**

Timm8b (NM_013897) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Timm8b (NM_013897) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Timm8b
Synonyms: Tim8b
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200170 representing NM_013897
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGCCGAGCTTGGTGAAGCGGACGAAGCGGAGTTACAACGCCTGGTGGCCGCCGAACAGCAGAAGGCGC
 AATTCAGTGCAGGTGCATCACTTCATGGAATATGTTGGGATAAGTGTGTGGAGAAGCCAGGAAGTCG
 GCTAGACTCCCGCACTGAAAACGCCTCTCTAGCTGTGTGGATCGCTTCATTGACACTACTCTTGCTATC
 ACCGGTCGGTTTGCCAGATCGTACAGAAAGGAGGGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200170 representing NM_013897
 Red=Cloning site Green=Tags(s)
 MAELGEADEAELQRLVAAEQKAQFTAQVHHFMELCWDKCVKPGSRLDSRTENCLSSCVDRFIDTTLAI
 TGRFAQIVQKGGQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

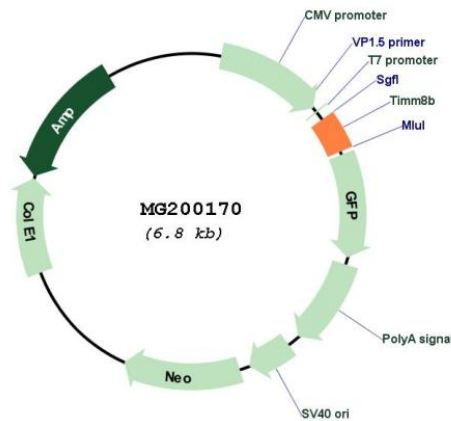


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Cloning Scheme:



Plasmid Map:



ACCN: NM_013897

ORF Size: 249 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_013897.1 , NP_038925.1
RefSeq Size:	646 bp
RefSeq ORF:	252 bp
Locus ID:	30057
UniProt ID:	P62077
Cytogenetics:	9 A5.3
Gene Summary:	Probable 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 (By similarity).[UniProtKB/Swiss-Prot Function]