

Product datasheet for **MG216924**

Timm8a2 (NM_001037744) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: TurboGFP

Symbol: Timm8a2

Synonyms: MGC117751

Mammalian Cell Selection: Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216924 representing NM_001037744
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTCCGCCTGGTCTCCCGGGGACCAGCCTGGGATCTTCAGACCCGAGCTGCAGCGTTTCATGG
AGGCAGAGGTGCAGAAGCAGAGGGTGCAGTTGCTCATCCACCACATGACAGAGCTCTGCTGGGAGAAGTG
CATGGACAAGCCCGGCCAGGCTGGATGGCCGGGCGGAGCTCTGCTTGGTGAAGTGCCTCGAGCGCTTC
ATTGATACGAGCCAGTTCATCTTGAATCGACTGGAGCAGACCCAGAAGGCGAGACCACTCTCTCAGAAA
GACTTTCCGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216924 representing NM_001037744
Red=Cloning site Green=Tags(s)

MESAWSSRGTSLGSSDPQLQRFMEAEVQKQRVQLLIHHMTELCWEKCMDKPGPRLDGRAELCLVNCVERF
IDTSQFILNRLEQTQKARPLFSERLSD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001037744

ORF Size: 291 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](#)

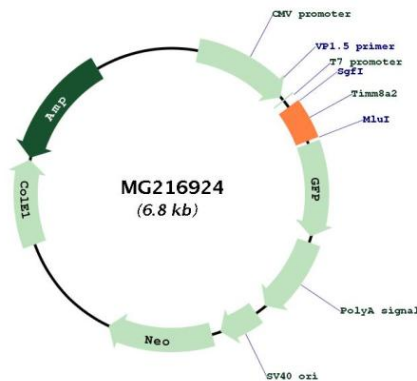
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_001037744.1 , NP_001032833.1
RefSeq Size:	946 bp
RefSeq ORF:	294 bp
Locus ID:	223262
UniProt ID:	Q4FZG7
Cytogenetics:	14 E5
Gene Summary:	Putative 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]

Product images:

Circular map for MG216924