

Product datasheet for **MG202596**

Thtpa (NM_153083) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Thtpa (NM_153083) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Thtpa
Synonyms: AW122966; ThTP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202596 representing NM_153083
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAGGGCTTGATTGAAGTGGAGCGAAAGTTCGCTCCAGGGCCTGACACGGAGGAAAGGCTGCAGG
 AGTTGGGGGCCACCCTGGAGCACCGGTACCTCCGAGACACATACTATGATACCTCTGAGTTAAGCCT
 TATGCTGTCTGACCACTGGCTGCGACAACGAGAAGGTAGTGGATGGGAGCTCAAATGTCTGGAGTAACA
 GGTGTCTCAGGACCTACAATGAGTATGTGGAAGTCACATCGGAAGCTGCGATTGTGCCAGCTCTTTG
 AACTGCTCGGGTCTGGGAGCAGAAGCCTGCAGGTGTGGCTGCTGCTCGGGCTCGCTGAAGCTGCAGGA
 GGTGGCTAGTTTTATTACTACGCGAAGCTCCTGGAAGCTGGCCTTATCTGGAGCCATGGACAGGAGCCT
 CAGCTCACAATAGACTTGATTGAGTTCAGCGGACTTCGGCTATGCTGTGGGTGAGGTAGAGGCCATGGTGCAGG
 AGAAGGCTGAAGTCCCGGCTGCCCTAGAGAAGATCATCACCGTCAGTAGCATGCTTGGAGTGCCAGCAC
 GGAGGAGGCACCAGCCAAGCTCATGGTATACCTACAGCGCTTCAGGCCTCTGGACTATCAGCGCCTGCTA
 GAAGCAGCCAGTTCTGGTGGGACAGGGGACTCAGCATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

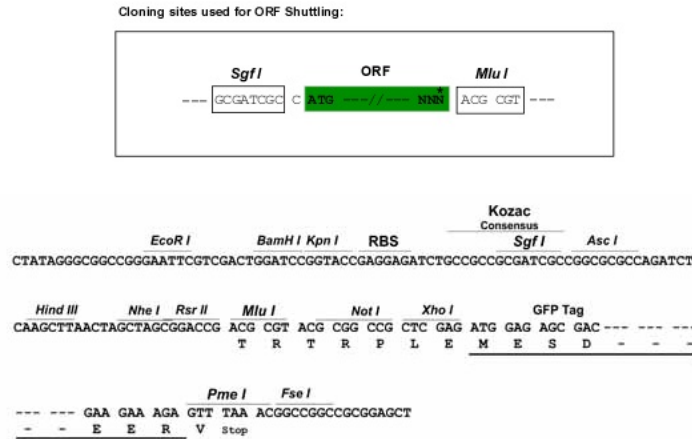
Protein Sequence: >MG202596 representing NM_153083
 Red=Cloning site Green=Tags(s)

MAQGLIEVERKFAPGPDTEERLQELGATLEHRVTFRDYYDTSELSLMLSDHWLRQREGSGWELKCPGVT
 GVSQPHNEYVEVTSEAAIVAQLFELLGSGEQKPAGVAAVLGSCLKLQEVASFITRSSHKLALSGAHGQEP
 QLTIDLDSADFGYAVGEVAMVHEKAIEVPAALEKIITVSSMLGVPAAQEEAPAKLMVYLQFRPLDYQRL
 EAASSGEATGDSAS

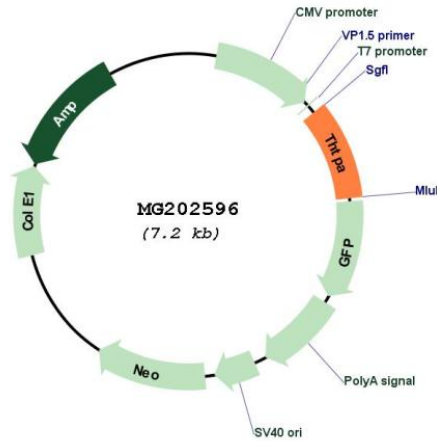
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_153083

ORF Size: 672 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_153083.5
RefSeq Size:	2824 bp
RefSeq ORF:	675 bp
Locus ID:	105663
UniProt ID:	Q8JZL3
Cytogenetics:	14 C3
Gene Summary:	This gene encodes a cytosolic enzyme that catalyzes the conversion of thiamine triphosphate to thiamine diphosphate. The encoded protein requires divalent cations for enzymatic activity. The gene product is believed to play a role in regulation of thiamine triphosphate intracellular concentration, and it may be a messenger in cell signaling in response to cellular stress. [provided by RefSeq, Mar 2010]