

## Product datasheet for **MC206627**

### **Thtpa (BC025562) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Thtpa (BC025562) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Thtpa
Synonyms:	MGC38198
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC025562  
 CCACGCGTCCGCGGACGCGTGGGCGGACGCGTGGGGGAAAAATGCAGGATGAACAGCGGGCAAGAGGAAG  
 CTCTCTCTTCTTGGCCACCCGGTTGGGTGCGACGTAACCTAACAGACCTCTCAGGCCTAGCTTGTCTAT  
 CGGCACCGCCACACCGGTCTAATATGGCCGCTAGTGTGGGACCGGTCTCGCGCGTAAAGAGCCTGGACT  
 AAGGTCGGAGCCGAGACCGCTCCCGCATTCTCGCGGTGTAGCGTGGGACCCCTCCCCACTTCC  
 GGGTCCCGGAGAAGGAGACCCTGGGGTCTTGAAGAGTGTCCCGAGGTACCGCTGTTTGGTGTAGGCGA  
 AGAATGGCAGATCATCTGGGCAGTGAATCACTGGCCTTGGGTAGCAAGGTGTAGCGAGAAGATAGGTCA  
 TCAGCATTACGGCTGTTTGGTGGGAGCCTTTGGGTTATCAGTAGTAGGATTTAACTGGAGACTTGTCT  
 ACCATTGTTGACGCCGAGAGACCTCCAAGTAGAGCCCTGTGAACCTGGAGCAGAGCTCTGGGACAGTG  
 TATATGCATCTTAAATTGATCCAGGACTAGTCCGTCTTTGCTGACTAGTCTCACCTTGAGCACTCAGTG  
 AATACCTGGCAAACAGGGTTGCAGGTTAATATGGCCAGGGCTTGATTGAAGTGGAGCGAAAAGTTCGCTC  
 CAGGGCCTGACACGAGGAAAGGCTGCAGGAGTTGGGGCCACCCTGGAGACCGGGTACCTTCCGAGA  
 CACATACTATGATACCTCTGAGTTAAGCCTTATGCTGTCTGACCACTGGTGCACAAACGAGAAGGTAGT  
 GGATGGGAGCTCAAATGTCTGGAGTAACAGGTGTCTCAGGACCTCACAATGAGTATGTGGAAGTCACAT  
 CGGAAGCTGCGATTGTGGCCAGCTCTTTGAAGTCTCGGGTCTGGGAGCAGAAGCCTGCAGGTGTGGC  
 TGCTGTCTGGGCTCGCTGAAGCTGCAGGAGGTGGCTAGTTTTTACTACGCGAAGCTCCTGGAAGCTG  
 GCCTTATCTGGAGCCATGGACAGGAGCCTCAGCTCACAATAGACTTGGATTGAGCGGACTTCGGCTATG  
 CTGTGGGTGAGGTAGAGGCCATGGTGCACGAGAAGGCTGAAGTCCCGGCTGCCCTAGAGAAGATCATCAC  
 CGTCAGTAGCATGCTTGGAGTGCACGACAGGAGGAGGCCACCAGCCAAGCTCATGGTATACCTACAGCGC  
 TTCAGGCCTCTGGACTATCAGCGCCTGTAGAAGCAGCCAGTTCTGGTGGAGCCACAGGGGACTCAGCAT  
 CCTGACAAACAGCGTTCACCTTCCAAAAGGGAAGGTAACCTGAAGCCGCCATTACATCCGGACCCAGG  
 TGCTCCTTCCCTTAAACGAGCCACTTCCCTCCAGCTCTGCCTGGTCTTTCGCCCACTCTGAGCTA  
 TCCTTCTGGAGCCCTCCCTGGCTGCTTCCCTCATCCGTAGTGAATCTGTGGGCGCCCTCTCCCC  
 TGGCCGCTAAGCAGCCTCATTGATTTCCGCTCGTGTTATAGGATTTCACTTAGCCGTGATCAGTAGT  
 TAAGCACAGGAAAATCCCTTGCCACCCCCCTCCCTTGGTGCATGCCATTGATTCTGCCAGAGGCTCTG  
 AAGCCGCCTTACAGCTGAGTTAGAGATGAGGGGAAACAGCGGGGATTTCCCTGCCCTGGGGTGTAGGGAA  
 GAGCAAGAAGGTGGGAAAAGGTTAGGAACTCCTTAAGGGATCTAGAAATTCAGGGCCTGCTGCTGTGCC  
 GGGAGGGTAGAGTGTCTAGTGTGGCAGTTTAGAGAGAACATTTGCTCTCCAACCCAGAGAGGGGTAGAAA  
 GAAAATGGTCATTGTTGAGACCGGTTCTAGGGTTTCAGGAAGTCATACTTCTGTGGAGAAGGCACCAC  
 CCTTGCTCTTAACACATTTTTTTTTCTCTCAACTAGGTCAAACAGGCCTCTCTTCCCTTCTCACGCTTC  
 ATAGACTTTATTTGTTGGGGAGGAGGCAGGCTCTATATTGCCTTGACAAATATAGGGTCTGAGTGCCA  
 CCTGCTGGTGGCCCTCAGGGTTGTGTCCCAAGCTGAGGGTGCAGAAAGATTTGAGAGGAGCCGAGGCAGT  
 TATGAGGCAGGCAAGCTTAGGGAACAGGTTAGCAGCCTGGAACCTCACTTGGTTTGGACTATGCACACCT  
 CTCATCTCACTGCCACTTGGCATCTTAGGACCCTCAGCTGCACGCACCATGCACACACATTTCTTAAACA  
 GTGCAGCCAGGACCCCGCTGTATCGAGTAGCACTTAGAGCCACTTCAGACAGTAAATCTCTTTTCCC  
 CAGCAGCCATCAAACTCCCTTCTGTGGACAGTTTTATTCAAACACTTTAGGACATACCCCAAAGTAGG  
 GAGCTGATTAGGCCTAAACGGGTTTGGGTAACCTGTGATCTTTGGGTGACCTTTTGGAGAGAATCCCT  
 ATGGACCGTCTATGCCTGTGCAGAAATGAGTTAGCTTATGATTAAGTCAAGTGCATCATGGGAAGGGTT  
 ACGCACAGAGAAGAAAGGCTGACAGAATCCAAGCCTGTCAATGAAAACAGAGAATCACTCAAATATGCC  
 ACTTCACAGCTAACACCTTCGTTCCCTGAGACTTTATTAAGGAACACCGGGTACTGCCCTGGGCTCTT  
 AAGACTGTGGTCAACCCGTTTACAGAGCACTTCTAATTTGTACGCTCAGTTTGCCTTTAATAAAGTT  
 TACTTCGCCAAAAAAAAAAAAAAAA

**Restriction Sites:** EcoRI-NotI  
**ACCN:** BC025562  
**Insert Size:** 675 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC025562</a> , <a href="#">AAH25562</a>
<b>RefSeq Size:</b>	2824 bp
<b>RefSeq ORF:</b>	675 bp
<b>Locus ID:</b>	105663
<b>Cytogenetics:</b>	14 C3
<b>Gene Summary:</b>	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]