

Product datasheet for **MC224108**

TPP2 (NM_009418) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TPP2 (NM_009418) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	TPP2
Synonyms:	TPP-2; TPP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224108 representing NM_009418 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACCGCCGCGACCGAGGAGCCCTTTCCTTCCACGGTCTTCTACCAAAGAAGGAGACCGGGCCCT
CCTCCTTCTGTGCCGTACCCGGAGTATGACGGGCGGGGTGCTCATCGCCGCTCTGGACACAGGGGT
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ACAGGAAGTGGTGTAAATACTGCTACAGAAGTAGAACCAAAAGATGGTAAAATTATTGGTCTTCTG
GAAGAGTGCTTAAGATTCTGCAAACTGGACAAATCCTTTAGGAAAATATCATATTGGCATTAAAAATGG
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 TCCTGTCCAGGTGGCTGCTCCTTCAGATCATGGTGTGGCATTGAGCCTGTATTTCCAGAGAACACAGAA
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 ATCACTGCAGTTATAGCAGCAAAAGTAAATGAGTCATCACATTATGATCTAGCCTTTACAGATGTACATT
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 TCACATAGGTTGTCTAATACCTTGAGCTTAGATATTCAAGAAATCATAGCCTTGCACTTCTAGGAAAGA
 AGAAATCAAGCAGCTTAACATTACCACCCAAATACAATCAGCCATTCTTTGTTACTTCTTACCTGATGA
 TAAAATACCTAAGGGGCGAGGCCGGATGCTACCTTGCCAGGCTCCTTGACATTGCAAAGACTGAGCTT
 GAAAGAAAAGCTGGGCAGTCTGCAGCAAAACGACAAGGAAAATTTAAAAGGATGTGATCCCTGTTTATT
 ACTATCTCATACCTCCACCAACAAGATTAAGAATGGCAGCAAAAGATAAAGAAAAGGATTCAGAAAAAGA
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 ACTATAAAAAATGATATGGACAAGCAGAAATCCACCCTGATAGATGCCCTCTGCAGGAAAGGATGTGCC
 TGGCAGATCACCTTCTTCATACACAGCCTCAGCAGGGGCGAGCTGGAGATGCTGAAGCAAAGGAAGA
 AGAAGGAGAAAAGTACCATGGAATCTCTATCGGAAACCTATTGGGAAACTACAAAGTGACAGATCTTTT
 GACACTAAGGTTTTGATATTTGCATACAAGCATGCATTAGTAAATAAGATGTATGGGAGAGGCCTTAAGT
 TTGCAACCAAACCTCGTAGAAGAAAAACCAAAAAGAAAAGTGGAAAAATTTGATTCAACTCATGAATTT
 ACTTGGATGGACCACTGTGCATCTTTTACTGAAAAGTGGCTCCCATCATGTATCCTCCTGATTATTGT
 GTATTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_009418
- Insert Size:** 3789 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).

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_009418.3](#), [NP_033444.1](#)

RefSeq Size: 4708 bp

RefSeq ORF: 3789 bp

Locus ID: 22019

UniProt ID: [Q64514](#)

Cytogenetics: 1 23.5 cM

Gene Summary: Component of the proteolytic cascade acting downstream of the 26S proteasome in the ubiquitin-proteasome pathway. May be able to complement the 26S proteasome function to some extent under conditions in which the latter is inhibited (By similarity). Stimulates adipogenesis.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).