

Product datasheet for RN203155

Thpp2 (NM_031137) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thpp2 (NM_031137) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Thpp2
Synonyms:	TPP-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN203155 representing NM_031137 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCACCGCTGCGACCGAGGAGCCTTCCCTTCCATGGTCTTCTACCAAAGAAAGAGACTGGGGCCT
CCTCCTTCTGTGCCGCTACCCGGAGTATGACGGACGCGGGGTGCTCATCGCCGCTCTGGACACAGGGGT
TGATCCCGGGGCCCCGGGCATGCAGGTCACGACTGATGGGAAACCAAAAATCATTGATATCATTGATACA
ACAGGAAGTGGTGTGAATACTGCTACAGAAGTAGAACCAAAAGATGGCGAAATCACTGGTCTTTCTG
GAAGAGTGCTTAAGATTCTGCAAACCTGGACAAAATCCTTCAGGAAAATATCATATTGGCATTAAAAATGG
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AATATAGAAGTATTTGCCCAAGGACATGGAATTATTCAGGTTGACAAAGCTTATGACTACCTCATTGAG
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 TCCTGTTGAGGTTGCTCCTTCAGATCATGGTGTGGCATTGAGCCTGATTTCCAGAGAACACAGAA
 AACTCTGAAAAATATCCTTCCAGCTTCATTTAGCTTTAACTTCAAATTCATCTTGGGTTCAATGTC
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 ATCACTGCAGTTATAGCAGCAAAAGTAAATGAATCATCACATTATGATCTAGCCTTTACAGATGTACAT
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 AGAAATCAAGCAGTTTGACATTACCACCCAAATATAATCAGCCATTCTTTGTTACTTCTTACCTGATGA
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 GGAAAGAAAGCTGATGTGATCCCTGTTTACTATCTAATACCTCCACCAACAAAGACTAAGAATGGCA
 GCAAAGATAAAGAAAAGGATTCAGAAAAAGAGAAAGATTTGAAAGAAAGAGTTTACTGAAGCTTTACGAGA
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 CATGAAGACTGACCCAGGCTGATGCAGTACTATAAAAAATGATATGGACAAGCAGAAATCTACCCTG
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 CAGCAGCTGGAGATGCAGAAGCAAAAGAGAGGAAAGGAGAAAGTACCTTGAATCTCTATCAGAAACCTA
 TTGGGAAACTACAAAGTGGACAGATCTTTTTGACACTAAGTTTTGACATTTGCATACAAGCATGCATTA
 GTAATAAAGATGTACGGGAGAGGCTTAAGTTTTGCAACCAAACTCGTAGAAGAAAAACCAAAAAGAAA
 ACTGGAAAAATTGTATCAACTGATGAAATTAACGGATGGACCCATTGTGCGTCTTTACTGAAAAGCTG
 CTCCCATCATGTATCCTCCTGATTATTGTGTATTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_031137
- Insert Size:** 3750 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_031137.1](#), [NP_112399.1](#)

RefSeq Size: 4566 bp

RefSeq ORF: 3750 bp

Locus ID: 81815

UniProt ID: [Q64560](#)

Cytogenetics: 9q22

Gene Summary: extralysosomal enzyme involved in degrading peptides generated by the proteasome [RGD, Feb 2006]