

Product datasheet for **RN216891**

Thumpd2 (NM_001163506) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thumpd2 (NM_001163506) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Thumpd2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN216891 representing NM_001163506
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGCGGCCGGGCAGACCCGGGTTCTGAACCCGCTGGCGGGCCAGTTCTCTGCACCCGGGCC
 GCGGCCTGGAGCCGTTCTTGATGCGGGAGGTGCGCGCGCGCTGGAGGCCACGCAGGTTGAATATATTTT
 AGGAAAAGTGTTTTCACTACCTGTTTCAGATTTGCCCTCGATGAAGAAGTTAAAGTCAGCGGAAAGACTG
 TTTTTGTTGATTAAGAAGCAGCTTCCCATTACGGTCTCCTCCCTGCACAGAGGAAGACTACTTAATGAAA
 TGCAAAGATTTATAAACGATGACCCAGGAAGCTGGCTGAAGGCGATTTCACTCTGGAGAAAATTCTCGA
 CCATGATACAAATGGAGAAAAGTTTCTCAAGGGGATGCTAACCCACTAAAACGGAAAGCAGGAGAAAAT
 GACAGTACTCTCCTAAGAAATTGAAATTAGAGGAGATGCAAGTGGTTGACAAGAGTCACGGGGAAAGCC
 AGCAGGACCAACCACAAGGCCACTGGAGCAAGGGGAAACTCTCGCTAGAACGGACGAGCTCCAAGAGCA
 AAGACTCCACAGAGCCTCGGAGACGGCGCGCATGCTCAGAGCCGGAGGACTTGACCTTACGAGATTTC
 TGTCGCTGCAGCGGGAGTATCAGAAAGTTGTCACCGGACAGGAGGCAGGAAGAGTGGCTGGACTGGCTC
 TCATGAGGCAGTTTGGTTGGAAAGCTGATTTGAGGAAGCCAGACTTAGAGATCTTCATGCACCTGAGTGA
 TGCCACTCTGTGGTGGGATTCCCTGCTCAGAGTTCCTTAGCCAGCAGAACTTACCTCCAGACAGCG
 GGGCTGCGGTCAACCATAGCGTGGGCTATGGCATCCATTGCAGAAATTAAGGCAGGAGCCCTGGTTTTAG
 ATCCAATGTGTGGCCTTGGGACTATACTTGTGGAAGCTGCTGAAGAGTGGCCAGACGATTTTTACGTGGG
 TGCTGATGTGAGCGACTCGCAGTTACTTGGCGCATGTGACAATCTGAAGGCCGAGGCCTTGACACAGG
 ATCGAGTTACTCAAAGGCTCTGTCGAGATTTACCACTGCCAGCTCAAAGTGTGGAGCTTATTATTTCTG
 ACATTCCATTTGGAAAAAATTTAAGTTGGGAAAAGACATCAAAGCATTCTACAAGAAATGGAAAGAGT
 GCTGCAGTTGATGGAGTCATGATCTTGTGCTCAGTGAGGATCACACCAGGCGTCTTACAGACTGTGGA
 GGCAGCAGCATGCCCCGACTTCCAGGCAACGTCTCTGACCCTGAGATGAAGATGCTTTTGAATCCTG
 ACAGAACTGGTGGCCAGACACAGCATCACCTTACAGAAAGCAAGCAGCTTGCAAAGTCTGGCAGGCC
 ATTGCCCTGTGGCTCATTGGTGGCAGTGGAGTCCCTCAAAGTCAGCCTTGGCAAACAGATGCTTTCATA
 TGTAAAGTATAAGAAGGCATCCGCTTCGGGACTGTCCCATCCCGATGCCATGAGCCAGGTGCACATCCTG
 AGGTGGCAGCCATGCAAGGATCCCCTGGTCTCCAGGATCCATATGCCCCGGAGCTCCAAGCGCACAGCC
 TCTACCGGTGGGCATGGCCAAGAACACAGCAGTCCGATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001163506
- Insert Size:** 1650 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001163506.1](#), [NP_001156978.1](#)

RefSeq Size: 1825 bp

RefSeq ORF: 1650 bp

Locus ID: 313851

Cytogenetics: 6q11