

Product datasheet for **RN216804**

Thumpd3 (NM_001170546) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thumpd3 (NM_001170546) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Thumpd3
Synonyms:	RGD1560852
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216804 representing NM_001170546
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGACACTCAAGAAGCTACAGAGAACACTTGGATATGAACCTTCATGAGAACAAGAAGCCGGTGC
 CCTTGATAGAAAAGTGGCATCAGAAGTGAGTCTGAGCATCTCCAAGTCACCATTGGAGCCACTGTACCTAC
 TGGGTTTGAGCAAACAGCTGCAGATGAAGTGAGAGAGAAATTGAAGTCATCCTGCAGAATCAGCAAAGAC
 CGGGGCAAGATATATTTTGATATTGCAGTGAAAGTCTGGCTCAGGTTTCATTGTCTGAGATCAGTGGATA
 ACTTGTGTGGTTGTTGAGGAGTTTAAAGATTACCAGTTCAAAGCTACAAAGGAAGAAGTTCTAAGAGA
 CTTTGAAGAACTGGCTGGAAAACCCCATGGTCCGACCCTTTAAAAGTCTGGCAAATTAACACCCTTTC
 AAGAAGAAGAAGGCAAAGCGCAGAAAGGCCAATCAGAGTCAGGCAGAGAGAAGGCCGACTGTGGACAGG
 GCGACAATGCCGGTGAGAAGGACGGTAAGAAGAAGCTTCCAGTGGTCCGAGATCCACATATCTTAGA
 CTACTATGAAAAACCCAGCCATCAAAGAAGAGATATCAACCTTAATAGGGGAAGTCTTGGCATCTGGCGAA
 GATGAAAAACGGTCAAAGCTTAAGAGAAGAAGCTGAACCGCAAGTCAGAAAGTTTCAGAGTCACCTGCAACA
 GAGCAGGAGAGAAGCATTGCTTTACATCCAACGAGGCTGCCAGAGGTTTTGGAGGTGCTGTTCAAGAGTA
 CTTTAAGTGGAAGGCTGATATGACCAACTTTGACGTAGAGGTTCTCCTGAACATCCACAATAATGAAGTC
 ATTGTTGCTATTGCAGTACAGAGGAGAGTCTCCATCGCAGAAATATTACACATTTTGGACCTACAACCT
 TTAGGTCAACTCTTGCCTATGGGATGCTCAGGCTCTGTGAACCTAAACCTACTGATGTAATTGTAGATCC
 AATGTGTGGAACAGGGGCAATACCAATAGAGGGGGCTACTGAGTGGTCTCACTGTTACCATTGCTGGG
 GACAACAACCCACTGGCAGTGAACAGAGCAGCAAATAACATCTCATCTCTATTGACTAAGAGCCAGATTA
 AAGATGGAAAAACATCCTGGGGTTTGGCCATTGATGCTGTTCAAGTGGGATATCTGCAACCTCCCTGCG
 AACTGCTTCTGTGGATATTATTGTAACAGACATGCCATTTGGAAAAAGGATGGGCTCCAAAAAGAGAAAT
 TGGAACTCTATCCAGCTTGCCTTCGGGAAATGAGCCGTGCTGTAGACCAAGGACAGGTAGAGCTGTAC
 TGCTTACTCAGGACAAGAAATGTTTTACCAAGGCATTATCTGGAATGGGACATGTGTGGCGAAAGGTCCA
 TACAGTCTGGGTGAACATCGGGGCTTTCATGCTGCAGTTTATCTTCTAAAACGCACTCCTCAAGACTTT
 GTTCATCCTTCAGATCAAGATGGAGGAAAAGACCCTCCTTGGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001170546
- Insert Size:** 1515 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_001170546.1, NP_001164017.1

RefSeq Size: 2002 bp

RefSeq ORF: 1515 bp

Locus ID: 500288

Cytogenetics: 4q42