

## Product datasheet for **RR216806**

### Thumpd3 (NM\_001170548) Rat Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                         |
| Product Name:             | Thumpd3 (NM_001170548) Rat Tagged ORF Clone |
| Tag:                      | Myc-DDK                                     |
| Symbol:                   | Thumpd3                                     |
| Synonyms:                 | RGD1560852                                  |
| Mammalian Cell Selection: | Neomycin                                    |
| Vector:                   | pCMV6-Entry (PS100001)                      |
| E. coli Selection:        | Kanamycin (25 ug/mL)                        |



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**ORF Nucleotide Sequence:**

>RR216806 representing NM\_001170548  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTGACACTCAAGAAGCTACAGAGAACACTTGGATATGAACCTTCATGAGAACAAGAAGCCGGTGC  
 CCTTGATAGAAAGTGGCATCAGAAGTGAGTCTGAGCATCTCCAAGTCACCATTGGAGCCACTGTACCTAC  
 TGGGTTTGAGCAAACAGCTGCAGATGAAGTGAGAGAGAAATTGAAGTCATCCTGCAGAATCAGCAAAGAC  
 CGGGGCAAGATATATTTTGATATTGCAGTGAAAGTCTGGCTCAGGTTTCATTGTCTGAGATCAGTGGATA  
 ACTTGTGTGGTTGTTGAGGAGTTTAAAGATTACCAGTTCAAAGCTACAAAGGAAGAAGTTCTAAGAGA  
 CTTTGAAGAACTGGTGGAAAACCCCATGGTCCGACCCTTTAAAAGTCTGGCAAATTAACACCCTTTC  
 AAGAAGAAGAAGGCAAAGCGCAGAAAGGCCAATCAGAGTCAGGCAGAGAGAAGGCCGACTGTGGACAGG  
 GCGACAATGCCGGTGAGAAGGACGGTAAGAAGAAGCTTCCAGTGGTCCGCGAGATCCACATATCTTAGA  
 CTACTATGAAAAACCCAGCCATCAAAGAAGAGATATCAACCTTAATAGGGGAAGTCTTGGCATCTGGCGAA  
 GATGAAAAACGGTCAAAGCTTAAGAGAAGAAGCTGAACCGCAAGTCAGAAAGTTTCAGAGTCACCTGCAACA  
 GAGCAGGAGAGAAGCATTGCTTTACATCCAACGAGGCTGCCAGAGGTTTTGGAGGTGCTGTTCAAGAGTA  
 CTTTAAGTGAAGGCTGATATGACCAACTTTGACGTAGAGGTTCTCCTGAACATCCACAATAATGAAGTC  
 ATTGTTGCTATTGCAGTACAGAGGAGAGTCTCCATCGCAGAAATATTACACATTTTGGACCTACAACCT  
 TTAGGTCAACTCTTGCCTATGGGATGCTCAGGCTCTGTGAACCTAAACCTACTGATGTAATTGTAGATCC  
 AATGTGTGGAACAGGGGCAATACCAATAGAGGGGGCTACTGAGTGGTCTCACTGTTACCATATTGCTGGG  
 GACAACAACCCACTGGCAGTGAACAGAGCAGCAAATAACATCTCATCTCTATTGACTAAGAGCCAGATTA  
 AAGATGGAAAAACATCCTGGGGTTTGGCCATTGATGCTGTTTCAGTGGGATATCTGCAACCTCCCTGCGG  
 AACTGCTTCTGTGGATATTATTGTAACAGACATGCCATTTGGAAGGATGGGCTCCAAAAAGAGAAAT  
 TGAATCTCTATCCAGCTTGCCTTCGGGAAATGAGCCGTGCTGTAGACCAAGGACAGGTAGAGCTGTAC  
 TGCTTACTCAGGACAAGAAATGTTTTACCAAGGCATTATCTGGAATGGGACATGTGTGGCGAAAGGTCCA  
 TACAGTCTGGGTGAACATCGGGGCTTTCATGCTGCAGTTTATCTTCTAAAACGCACTCCTCAAGACTTT  
 GTTCATCCTTCAGATCAAGATGGAGGAAAAGACCCTCCTTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR216806 representing NM\_001170548  
 Red=Cloning site Green=Tags(s)

MSDTQEATREHLDMNLHENKPVPLIESGIRSESEHLQVTIGATVPTGFEQTADEVREKLKSSCRISKD  
 RGKIYFDIAVESLAQVHCLRSVDNLFVVVEEFKDYQFKATKEEVLRFEEELAGKLPWSDPLKVWQINTTF  
 KKKKAKRRKANQSAGREKADCGQDNAGEKDGGKKLASGAADPHILDYENPAIKEEISTLIGEVLASGE  
 DENGQSLREEAEPVQKFRVTCNRAGEKHCFTSNEAARGFGGAVQEYFKWKADMTNFDVEVLLNIHNNEV  
 IVAIALTEESLHRRNITHFGPTTLRSTLAYGMLRLCEPKPTDVIIVDPMCMTGAIPIEGATEWSHCYHIAG  
 DNNPLAVNRAANNISSLLTKSQIKDGKTSWGLPIDAVQWDICNLPLRTASVDIIVTDMPFGKRMGSKKRN  
 WNLYPACLREMSRVCRPRTGRAVLLTQDKKCFKALSGMGHVWRKVHTVWVNIIGLHAAVYLLK RTPQDF  
 VHPSDQDGGKDPW

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001170548

**ORF Size:** 1512 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001170548.1](#), [NP\\_001164019.1](#)

**RefSeq Size:** 1980 bp

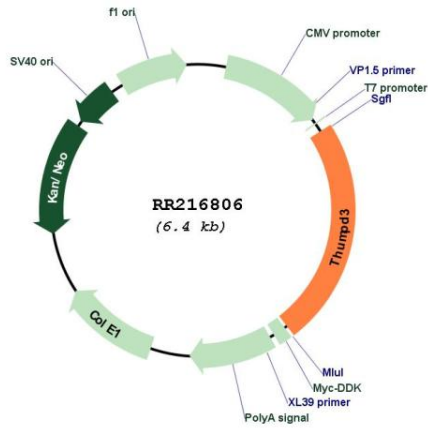
**RefSeq ORF:** 1515 bp

**Locus ID:** 500288

**Cytogenetics:** 4q42

**MW:** 56.4 kDa

Product images:



Circular map for RR216806