

## Product datasheet for **RG225871**

### THUMPD3 (NM\_001114092) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	THUMPD3 (NM_001114092) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	THUMPD3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG225871 representing NM\_001114092  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTGTGACATTGAAGAAGCCACTAACCAACTCCTAGATGTGAACCTTCATGAGAACCAGAAGTCTGTAC  
 AAGTGACAGAAAAGTGACCTCGGAAGTGAATCTGAGCTTCTAGTCACTATTGGAGCCACTGTACCTACTGG  
 CTTTGAGCAAACAGCTGCAGATGAAGTCAGAGAGAAAATTGGGTTCATCATGCAAAATCAGCAGAGACCGT  
 GGCAAGATATATTTTGTCAATTCAGTGGAAAGTCTGGCACAGTTTATTGTCTGAGATCAGTTGATAACT  
 TATTTGTGGTGGTTCAGGAGTTTCAAGATTACCAGTTCAAACAAACAAAGGAAGAAGTTCTAAAGGATTT  
 TGAAGACTTGGCTGAAAACTCCATGGTCAAACCCCTTAAAAGTGTGAAAAATTAATGCCAGTTTTAAA  
 AAGAAAAAGCAAAGCGCAAAAAGATAAATCAGAATTCAGTAAAGAGAAGATTAATAATGGACAAGAAG  
 TCAAAATCGATCAGAGAAATGTTAAAAAGAGTTCACTAGCCATGCTTTAGATTCTCATATCTTAGATTA  
 TTATGAAAATCCAGCCATCAAAGAGGATGTATCAACATTAATAGGTGATGATTTGGCATCTTGCAAAGAT  
 GAGACTGATGAAAGCTCAAAAAGAAGAACTGAGCCTCAAGTGTGAAGTTTAGAGTCACATGCAACAGGG  
 CAGGAGAGAAACATTGCTTTACCTCAAATGAGGCTGCAAGAGATTTTGGGGGTGCTGTTCAAGATTTT  
 TAAGTGGAAAGGCCGACATGACCAACTTTGATGTGGAGTTCTTTTGAACATCCATGATAATGAAGTCATT  
 GTGGGCATTGCATTGACTGAAGAGAGTCTCCACCGAAGAAATAAACACATTTTGGACCTACAACCTTTA  
 GATCAACTCTTGCTATGGGATGCTCAGGCTCTGTGATCCTCTACCTTATGATATAATAGTCGATCCAAT  
 GTGTGAACTGGGCAATACCAATAGAGGGGGCCACTGAATGGTCTGACTGTTTCCATATTGCTGGTGAT  
 AATAATCCACTGGCTGTGAATAGAGCAGCAAATAACATTGCATCTTTATTGACCAAGAGCCAAATTAAG  
 AAGGCAAAACCTCTGGGGCTTGCCCATAGATGCTGTTTCAGTGGGATATCTGCAATCTGCCATTGAGAAC  
 TGGCTCTGTGGATATTATTGTAACAGATTTGCCATTTGGAAAAAGGATGGGATCCAAGAAGAGAACTGG  
 AACCTTTATCCAGCTTGCTACGGGAGATGAGCCGTGTCTGCACACCTACCACAGGCCGACTGTACTAC  
 TTAICTCAAGACACAAAATGCTTTACCAAGGCGTTATCTGGAATGCGACACGTATGGCGAAAGGTGGATAC  
 AGTCTGGGTGAACGTTGGTCTTCGTGCTGCAGTTTACGTTCTGATACGTACACCTCAAGCTTTTGT  
 CATCTTCAGAACAAGACGGAGAAAGAGGAACCTTTGGCAATGCAAAGAA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG225871 representing NM\_001114092  
 Red=Cloning site Green=Tags(s)

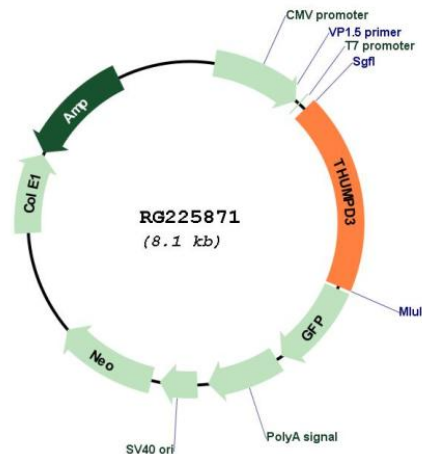
MCDIEEATNQLLDVNLHENQKSVQVTESDLGSESELLVTIGATVPTGFEQTAADDEVREKLGSSCKISRDR  
 GKIFYFVISVESLAQVHCLRSVDNLFVVVQEFQDYQFKQTKEEVLKDFEDLAGKLPWSNPLKVKWIKNASFK  
 KKKAKRKKINQNSKEKINNGQEVKIDQRNVKKEFTSHALDSHILDYYENPAIKEDVSTLIGDDLASCKD  
 ETDESSKEETEPQVLKFRVTCNRAGEKHCFTSNEAARDFGGAVQDYFKWKADMTNFDVEVLLNIHDNEVI  
 VGIALTEESLHRRNITHFGPTTLRSTLAYGMLRLCDPLPYDIIIVDPMCGTGAIPIEGATEWSDCFHIAGD  
 NNPLAVNRAANNIASLLTKSRIKQKPSWGLPIDAVQWDICNLPLRTGSVDIIIVTDLPFGRKMGSKKRNW  
 NLYPAACLREMSRVCTPTTGRAVLLTQDTKCFKALSGMRHVWRKVDTVVWVNVGGLRAAVYVLIIRTPQAFV  
 HPSEQDGERGTLWQCKE

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001114092

**ORF Size:** 1521 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\\_001114092.2](#)

**RefSeq Size:** 3775 bp

**RefSeq ORF:** 1524 bp

**Locus ID:** 25917

**UniProt ID:** [Q9BV44](#)

**Cytogenetics:** 3p25.3