

Product datasheet for **RG200121**

THUMPD3 (NM_015453) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THUMPD3 (NM_015453) 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:

>RG200121 representing NM_015453
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGTGACATTGAAGAAGCCACTAACCAACTCCTAGATGTGAACCTTCATGAGAACCAGAAGTCTGTAC
 AAGTGACAGAAAAGCGACCTCGGAAGTGAATCTGAGCTTCTAGTCACTATTGGAGCCACTGTACCTACTGG
 CTTTGAGCAAACAGCTGCAGATGAAGTCAGAGAGAAAAGTGGGTCATCATGCAAAAATCAGCAGAGACCGT
 GGCAAGATATATTTTGTCAATTCAGTGGAAAGTCTGGCACAGGTTCAATGTCTGAGATCAGTTGATAACT
 TATTTGTGGTGGTTCAGGAGTTTCAAGATTACCAGTTCAAAACAAAGGAAGAAGTTCTAAAGGATTT
 TGAAGACTTGGCTGAAAACTCCATGGTCAAACCCCTTAAAAGTGTGAAAAATTAATGCCAGTTTTAAA
 AAGAAAAAGCAAAGCGCAAAAAGATAAATCAGAATTCAAGTAAAGAGAAGATTAATAATGGACAAGAAG
 TCAAAATCGATCAGAGAAATGTTAAAAAGAGTTCAGTACCCATGCTTTAGATTCTCATATCTTAGATTA
 TTATGAAAATCCAGCCATCAAAGAGGATGTATCAACATTAATAGGTGATGATTTGGCATCTTGCAAAGAT
 GAGACTGATGAAAGCTCAAAGAAGAACTGAGCCTCAAGTGTGAAGTTTAGAGTCACATGCAACAGGG
 CAGGAGAGAAACATTGCTTTACCTCAAATGAGGCTGCAAGAGATTTTGGGGGTGCTGTTCAAGATTTT
 TAAGTGGAAAGGCCGACATGACCAACTTTGATGTGGAGGTTCTTTTGAACATCCATGATAATGAAGTCATT
 GTGGGCATTGCATTGACTGAAGAGAGTCTCCACCGAAGAAATAAACACATTTTGGACCTACAACCTTTA
 GATCAACTCTTGCTATGGGATGCTCAGGCTCTGTGATCCTCTACCTTATGATATAATAGTCGATCCAAT
 GTGTGAACTGGGCAATACCAATAGAGGGGCCACTGAATGGTCTGACTGCTCCATATTGCTGGTGAT
 AATAATCCACTGGCTGTGAATAGAGCAGCAAATAACATTGCATCTTTATTGACCAAGAGCCAAATTAAG
 AAGGCAAAACCTCCTGGGCTTGCCCATAGATGCTGTTCACTGAGGATATCTGCAATCTGCCATTGAGAAC
 TGGCTCTGTGGATATTATTGTAACAGATTTGCCATTTGAAAAAGGATGGGATCCAAGAAAAAGAACTGG
 AACCTTTATCCAGCTTGCTACGGGAGATGAGCCGTGTCTGCACACCTACCACAGGCCGAGCTGACTAC
 TTAAGTCAAGACACAAAATGCTTTACCAAGGCGTTATCTGGAATGCGACACGTATGGCGAAAGGTGGATAC
 AGTCTGGGTGAACGTTGGTCTTCGTGCTGCAGTTTACGTTCTGATACGTACACCTCAAGCTTTTGT
 CATCTTCAGAACAGACGGAGAAAGAGGAAGTCTTTGGCAATGCAAAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG200121 representing NM_015453
 Red=Cloning site Green=Tags(s)

MCDIEEATNQLLDVNLHENQKSVQVTESDLGSESELLVTIGATVPTGFEQTAADDEVREKLGSSCKISRDR
 GKIYFVISVESLAQVHCLRSVDNLFVVVQEFQDYQFKQTKEEVLKDFEDLAGKLPWSNPLKVKINASF
 KKKAKRKKINQSSKEKINNGQEVKIDQRNVKKEFTSHALDSHILDYYENPAIKEDVSTLIGDDLASCKD
 ETDESSKEETEPQVLKFRVTCNRAGEKHCFTSNEAARDFGGAVQDYFKWKADMTNFDVEVLLNIHDNEVI
 VGIALTEESLHRRNITHFGPTTLRSTLAYGMLRLCDPLPYDIIIVDPMCGTGAIPIEGATEWSDCFHIAGD
 NNPLAVNRAANNIASLLTKSRIKEGKPSWGLPIDAVQWDICNLPLRTGSVDIIVTDLPFGRKMGSKRNV
 NLYPAACLREMSRVCTPTTGRAVLLTQDTKCFKALSGMRHVWRKVDTVVWVNVGGLRAAVVYLIRTPQAFV
 HPSEQDGERGTLWQCKE

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_015453

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_015453.1](#), [NP_056268.1](#)

RefSeq Size: 2897 bp

RefSeq ORF: 1524 bp

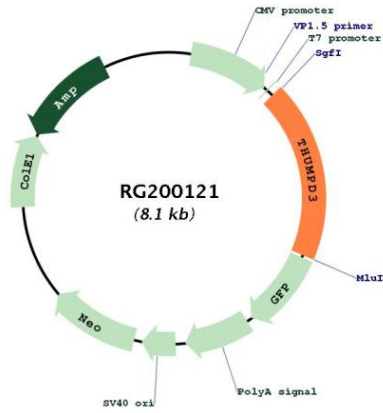
Locus ID: 25917

UniProt ID: [Q9BV44](#)

Cytogenetics: 3p25.3

Domains: UPF0020, THUMP

Product images:



Circular map for RG200121