

Product datasheet for **RG203590**

THAP2 (NM_031435) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: THAP2 (NM_031435) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: THAP2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203590 representing NM_031435
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGACCAATTGCGCTGCGCGGGCTGTGCCACTACCTACAACAAGCACATTAACATCAGCTTCCACA
 GGTTCCTTTGGATCCTAAAAGAAGAAAAGAAATGGGTTTCGCTGGTTAGGCGCAAAAATTTGTGCCAGG
 AAAACACACTTTTCTTTGTTCAAAGCACTTTGAAGCCTCCTGTTTGACCTAACAGGACAAACTCGACGA
 CTTAAATGGATGCTGTTCCAACATTTTGTATTTTGTACCCATATAAAGTCTATGAAACTCAAGTCAA
 GGAATCTTTTGAAGAAAACAACAGTTGTTCTCCAGCTGGACCATCTAATTTAAATCAAACATTAGTAG
 TCAGCAAGTACTACTTGAACACAGCTATGCCTTTAGGAATCCTATGGAGGCAAAAAGAGGATCATTAAA
 CTGGAAGAAAGAAATAGCAAGCTTAAGAAGAAAATGAAAACCTTGCTACAAAAGGAACGCAGAGCAACTC
 GAAGATGGATCAAAGCCACGTGTTTGGTAAAGAATTTAGAAGCAAATAGTGTATTACCTAAAGGTACATC
 AGAACACATGTTACCAACTGCCTTAAGCAGTCTTCCTTTGAAGATTTTAAAGATCCTTGAACAAGATCAA
 CAAGATAAAACACTGCTAAGTCTAAATCTAAAACAGACCAAGAGTACCTTCATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203590 representing NM_031435
 Red=Cloning site Green=Tags(s)

MPTNCAAAGCATTYNKHINISFHRFPLDPKRRKEWVRLVRRKNFVPGKHTFLCSKHFEASCFDLTGQTRR
 LKMDAVPTIFDFCTHIKSMKLKSRNLLKKNNSCPAGPSNLKSNISSQQVLEHSYAFRNPMEAKKRIIK
 LEKEIASLRRKMKTCLOKERRATRRWIKATCLVKNLEANSVLPKGTSEHMLPTALSSLPLEDFKILEQDQ
 QDKTLLSLNLKQTKSTFI

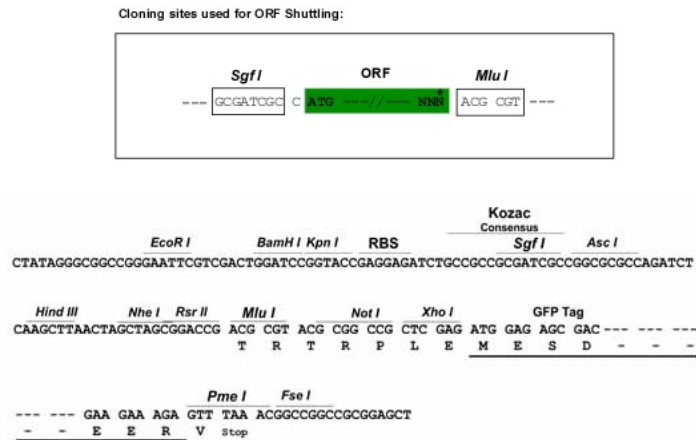
TRTRPLE - GFP Tag - V



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_031435

ORF Size: 684 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

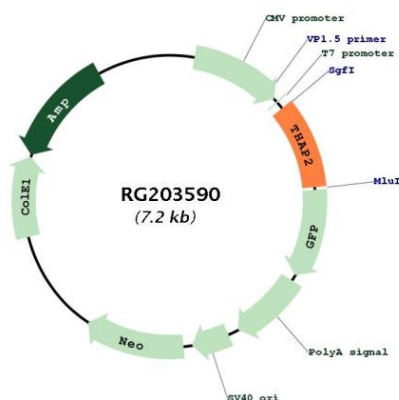
RefSeq: [NM_031435.4](#)

RefSeq Size: 4748 bp

RefSeq ORF: 687 bp

Locus ID: 83591
 UniProt ID: [Q9H0W7](#)
 Cytogenetics: 12q21.1
 Domains: DM3

Product images:



Circular map for RG203590