

Product datasheet for **MC205942**

Thap4 (BC063758) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thap4 (BC063758) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Thap4
Synonyms:	2010320B01Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC063758
 ATCGGAGCCTGGCGGCGCTCACGACCGAGGCCCGCAATGGTGATCTGCTGCGCGGCCGTGAACTGTTCCA
 ACAGGCAGGGCAAGGGCGAGAAACGCGCTGTCTCCTTCCACAGGTTTCCCTAAAGGACTCCAAACGACT
 GATCCAGTGGTTAAAAGCTGTTCAGAGGGATAATTGGACCCCGACTAAGTATTCTCTGTAGTGAG
 CATTTTACCAAAGACAGCTTCTCCAAAAGACTGGAGGACCAGCATCGCCTGCTGAAGCCCACGGCTGTAC
 CCTCTATTTTCCACCTGTCAGAGAAGAAGAGGGGGCTGGAGGACATGGCCATGCTAGGAGAAAGACCAC
 AGCGGCCATGAGGGGCCACACAAGCGCAGAGACAGGAAAGGAACCATAGGATCTTCACTGTCTTCAAGT
 GATAACTTGATGGCCAAGCCAGAGTCCCGAAAGTTGAAGCGAGCTTCTCCACAAGATGATGCAGCCCCCA
 AGGTACCCCCAGGTGCTGTGAGCCAGGAGCAGGGTCAGTCTCTGAAAAAACTCCAGGAGATGACCCGGC
 TGCCCCATTGGCCAGAGGCCAGGAAGAGGCACAAGCGTCTGCTACAGAGGCTGACCACCAGAAGGCCTCT
 TCCTCCACCGACGCTGAGGGGGCAGACAAGAGCGGCATTTCTATGGACGACTTACACCTCCGGGATCTG
 GAGCTTGAAGTTCATTGGCTCACTTCATTATATAGTTTCTCCTCAAGCACACGCGAGAGAGGGCCGTC
 TGTCCTCGTGAGCCATGGACCGAAAGAGGCTGAAGAGAGAGATGGAGCCAAGGTGCAGTGGGAATAGT
 GTGGCCAGAGTCCCCAAGTTCCTCACTTACAGCAACCCCTCAAAGGCTTCCCAGAGCCCTCCGCC
 CTCCAAGTGTAAACCCTAAGCCAGCAGCAGAAGCCGTGCAGAGTGAAGTATGATGCCAGTCCCAT
 GTCATCAACGAGGTCTTCTGTGCGCCTCGGGGGCTGCAAGCTCATCGACTCCCTGCACTCTACTGC
 TTCTCCGCTCGGCAGAACAAAGAGCCAGGTATGCTGCCTGCGGGAGCAGGTTGAGAAGAAGATGGAGAGC
 TAAAGAGCCTTCCGCAGAAAGTCAAGCCGATCTGACAGCCAGGTGCGCAAGCTGCGGGAGAAGCTGGACGA
 GCTGAGGAGAGCGAGTCTCCCCTACCTCCCCTACCTAAGTGGCCTGCTGCCCCCAGCCACGAGCCTCCC
 AAGCTGAATCCAGTGGTGGAGCCGTTGTCTGGATGCTGGGTACCTGGTGTGACACCCGCCAGGAGTTG
 GTACCTTTCCGACACTGCAGCCCTTCCAGTACCTGGAGGAGTGCACATCTCCACGTGGGTGAGCCTAT
 GCTCAACTTCTCGTTCAACTCCTTCCATCCAGAAACACACAAGCCAATGCACAGAGAGTGGCTTCATC
 CGCCTCAAGCCTGACACCAACAAAAGTGGCCTTTGTGTCAGTCCCGAAGCAGGATGTGGAAAGTGGAGG
 AGGGTGAAGTGAATGGGCAGGAGCTGTGTCTCATCCATTCCGTCTCCAGGATCTCCTTTGCCAAGGA
 GCCCATGTGGAGCAGATCACTCGAAATTGAGGCTGAATTCTGAAGGCAAACTTGAACAGACGGTCTCT
 ATGGCAACCACTACACAGCCAATGACTCAACATCTTACATTACCTACAAGAAGGTGACCCTTAACCTG
 GAGCCACTCCCAGAGCCTGTTTGGTAGACATGGTGTGGTACAGGCTCTGCTGACACTGAAGTGTGTCC
 AGGTGTTCTTGAATGGCATAGAAAACCAATAAAAAGGCCTTTATTTTTATGGCTGAAAAAAAAAAAAAA
 AA
 AA

Restriction Sites: RsrII-NotI

ACCN: BC063758

Insert Size: 1710 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).

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: [BC063758](#), [AAH63758](#)

RefSeq Size: 2019 bp

RefSeq ORF: 1710 bp

Locus ID: 67026

Cytogenetics: 1 D

Gene Summary: In vitro catalyzes the heme-based conversion of peroxynitrite into nitrate/NO₃⁻. May be involved in the detoxification of peroxynitrite which is responsible for the nitration of L-free tyrosine. Also selectively binds nitric oxide/NO in vitro.[UniProtKB/Swiss-Prot Function]