

Product datasheet for **SC317988**

THAP4 (NM_015963) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: THAP4

Synonyms: CGI-36; Nb(III); PP238

Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_015963, the custom clone sequence may differ by one or more nucleotides

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ATGGTGATCTGCTGTCGGCCGTGAACCTGCTCAACCGCAGGGAAAGGCGAGAAGCGC
GCCGTCTCCTTCCACAGGTTCCCTTAAAGGACTCAAAACGTCTAATCCAATGGTTAAAA
GCTGTTGAGAGGGATAACTGGACTCCCACTAAGTATTCTCTGTAGTGAGCATTTT
ACCAAAGACAGCTTCTCAAGAGGCTGGAGGACCAGCATCGCTGTGAAGCCACGGCC
GTGCCATCCATCTTCCACCTGACCGAGAAGAAGAGGGGGCTGGAGGCCATGGCCGACC
CGGAGAAAAGATGCCAGCAAGGCCACAGGGGGTGTGAGGGGACACTCGAGTGCCGCCACC
GGCAGAGGAGCTGCAGGTTGGTCACCGTCTCGAGTGGAACCCGATGGCCAAGCCAGAG
TCCCGCAGGTTGAAGCAAGCTGCTCTGCAAGGTGAAGCCACACCCAGGGCGGCCAGGAG
GCCGCCAGCCAGGAGCAGGCCAGCAAGCTCTGGAACGGACTCCAGGAGATGGACTGGCC
ACCATGGTGGCAGGCAGTCAGGGAAAAGCAGAAGCGTCTGCCACAGATGCTGGCGATGAG
AGCGCCACTTCTCCATCGAAGGGGCGTGACAGATAAGAGTGGCATTCTATGGATGAC
TTTACGCCCCCAGGATCTGGGGCGTGCAATTTATCGGCTCACTTCATTCTGACAGTTTC
TCCTTAAGCACACCCGAGAAAGGCCATCTGTCCCCGAGAGCCATTGACCGCAAGAGG
CTGAAGAAAGATGTGGAACCAAGCTGCAAGTGGGAGCAGCCTGGGACCCGACAAGGGCCTG
GCCCAGAGCCCTCCAGCTCATCACTTACCGCGACACCGCAGAAGCCTTCCCAGAGCCCC
TCTGCCCTCTGCGGACGTCACCCCAAAGCCAGCCACGGAAGCCGTGCAGAGCGAGCAC
AGCGAGCCAGCCCCATGTCCATCAACGAGGTCACTCTGTCGGCGTCAGGGGCTGCAAG
CTCATCGACTCACTGCCTCTACTGCTTCTCCTCCCGCAGAAACAAGAGCCAGGTGTGC
TGCTTGGGGAGCAGGTGGAGAAGAAGAACGGCGAGCTGAAGAGCCTGCGGCAGAGGGTC
AGCCGCTCCGACAGCCAGGTGCGGAAGCTACAGGAGAAGCTGGATGAGCTGAGGAGAGTG
AGCGTCCCCTATCCAAGTAGCCTGCTGTCGCCAGCCGAGCCCCCAAGATGAACCCA
GTGGTGGAGCACTGTCTGGATGCTGGGCACCTGGCTGTGCGACCCACCTGGAGCCGGG
ACCTACCCCACTGCAGCCCTTCCAGTACCTGGAGGAGGTTACATCTCCACGTGGGC
CAGCCCATGCTGAACCTTCTGTTCAACTCCTTCCACCCGACACGCGCAAGCCGATGCAC
AGAGAGTGTGGCTTCATTCGCTCAAGCCCGACACCAACAAGGTGGCTTTGTGACGCCC
CAGAACACAGGCGTGGTGAAGTGGAGGAGGGCGAGGTGAACGGGACAGGAGCTGTGATC
GCATCCCACTCCATCGCCAGGATCTCCTTCGCCAAGGAGCCCCACGTAGAGCAGATCACC
CGGAAGTTCAGGCTGAATCTGAAGGCAAACTTGAGCAGACGGTCTCCATGGCAACCACG
ACACAGCCAATGACTCAGCATCTTCACGTACCTACAAGAAGGTGACCCCG
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Restriction Sites: Please inquire



ACCN:	NM_015963
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_015963.4, NP_057047.3</u>
RefSeq Size:	2175 bp
RefSeq ORF:	1734 bp
Locus ID:	51078
UniProt ID:	<u>Q8WY91</u>
Cytogenetics:	2q37.3
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 (PubMed:30524950). Also selectively binds nitric oxide/NO in vitro (PubMed:30524950). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).