

Product datasheet for **SC320516**

THAP4 (NM_015963) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	THAP4
Synonyms:	CGI-36; Nb(III); PP238
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF:	>OriGene sequence for NM_015963.4 GAAGACGCCCGAACCCGCGGCTGGCGAGGACGCGGGCGGGGGCTGGGGCGGGGGCGGGCC CGCTGCGGGCGCCTGCGCCTCCATCTTGCCGTACGGCGCGGACGCCGCGGGCGGGCCAC GTCCCCGAGCCGTGTCCCGCCGCGCTCCCTCCCTCGGGCGGTCCGCGGGCGGGCGGGCG GCTAGGGCCGGGGCTGGCTGCGCGGCTGGGCCAAGGCCCGCGATGGTGATCTGCTGTGC GGCCGTGAAGTGTCCAACCGCAGGAAAGGGCGAGAAGCGCGCGTCTCTTCCACAG GTTCCCTTAAGGACTCAAAACGTCTAATCCAATGGTTAAAAGCTGTTTCAAGGGATAA CTGGACTCCCACTAAGTATTCATTTCTGTAGTGAGCATTTACCAAAGACAGCTTCTC CAAGAGGCTGGAGGACCAGCATCGCCTGCTGAAGCCACGCGCGTGCCATCCATCTTCCA CCTGACCGAGAAGAAGAGGGGGGCTGGAGGCCATGGCCGCACCCGAGAAAAAGATGCCAG CAAGGCCACAGGGGGTGTGAGGGGACACTCGAGTGCCGCCACCGCGAGAGGAGCTGCAGG TTGGTCACCGTCTCGAGTGAAACCCGATGGCCAAGCCAGAGTCCCGCAGGTTGAAGCA AGCTGCTCTCAAGGTGAAGCCACCCAGGGCGGCCAGGAGGCCGCGCCAGCCAGGAGCA GGCCAGCAAGCTCTGGAACGGAAGTCCAGGAGATGGAGTGGCCACCATGGTGGCAGGCAG TCAGGGAAGAAGCAGAAGCGTCTGCCACAGATGCTGGCGATGAGAGCGCCACTTCTCCAT CGAAGGGGGCGTGACAGATAAGAGTGGCATTCTATGGATGACTTTACGCCCCCAGGATC TGGGGCGTGCAATTTATCGGCTCACTTCATTCTGTACAGTTTCTCTCTAAGCACACCCG AGAAAGGCCATCTGTCCCCGAGAGCCATTGACCGCAAGAGGCTGAAGAAAGATGTGGA ACCAAGCTGCAAGTGGGAGCAGCTGGGACCCGACAAGGGCTGGCCAGAGCCCTCCAG CTCATCACTTACCGCGACACCGCAGAAGCCTTCCAGAGCCCTCTGCCCTCTGCCGA CGTCACCCCAAGCCAGCCACGGAAGCCGTGCAGAGCGAGCACAGCGACGCCAGCCCAT GTCCATCAACGAGGTATCCTGTGCGCGTCAGGGGCTGCAAGCTCATCGACTCACTGCA CTCCTACTGCTTCTCTCCCGCAGAACAGAGCCAGGTGTGCTGCCTGCGGGAGCAGGT GGAGAAGAAGAAGCGGAGCTGAAGAGCTGCGGCAGAGGGTCAGCCGCTCCGACAGCCA GGTGCGGAAGCTACAGGAGAAGCTGGATGAGCTGAGGAGAGTGAGCGTCCCTATCCAAG TAGCCTGTGTGCGCCAGCCGAGCCCCCAAGATGAACCCAGTGGTGGAGCCACTGTC CTGGATGTGTTGGCACCTGGCTGTGCGACCCACCTGGAGCCGGGACCTACCCCACTGCA GCCCTTCCAGTACCTGGAGGAGTTACATCTCCACGTGGGCCAGCCCATGCTGAATT CTCGTTCAACTCCTTCCACCCGACACGCGCAAGCCGATGCACAGAGAGTGTTGGCTTCAT TCGCTCAAGCCCGACACCAACAAGGTGGCCTTTGTGACGCGCCAGAACACAGGCGTGGT GGAAAGTGGAGGAGGGGAGGTGAACGGGCAGGAGCTGTGCATCGCATCCCACTCCATCGC CAGGATCTCCTTCGCCAAGGAGCCCCACGTAGAGCAGATCACCCGGAAGTTCAGGCTGAA TTCTGAAGGCAAACTTGAGCAGACGGTCTCCATGGCAACCACGACACAGCCAATGACTCA GCATCTTACGTACCTACAAGAAGGTGACCCCGTAAACCTAGAGCTTCTGGAGCCCTCG GGAGGGCCTGGCTACTGTGCCTCAACGGTTCGGCTCTCAACAGACAGTCCCTGCGGCAG AAGTGGGTGTGGCCGTGAGCCTCTGCAGGCTCAAGAGTGTGTCCAGATGTTTCTGTACT GGCATAGAAAAACCAATAAAAGGCCTTTATTTTATGGCTGAGGATTTTGAATATTAA AAAAAAAAAAAAAA
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).