

Product datasheet for **SC334661**

THAP5 (NM_001287599) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | THAP5 (NM_001287599) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | THAP5 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_001287599, the custom clone sequence may differ by one or more nucleotides |

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ATGTTAACTCTTAATCTAGTTAAACAACATACTGGGAAACCAGAATCTACCTTGAAACATCAGTTAACC
AAGATACAGGTAGAGGTGGTTTTTCACACATGTTTTGAGAATCTAAATTCTACAACATTACTTTGACAAC
TTCAAATTCAGAAAGTATTCATCAATCTTTGGAAACTCAAGAAGTTCTTGAAGTAACTACCAGTCATCTT
GCTAATCCAACTTTACAAGTAATTCATGAAATAAAGTCAGCACAGGAAAATCCATTCTTATTCAGCA
CAATTAATCAAACAGTTGAAGAATTAACACAAATAAAGAATCTGTTATTGCCATTTTTGTACCTGCTGA
AAATTTAAACCCTCAGTTAATCTTTTATATCTGCACAAAAAGAAACCACGAAATGGAAGACACAGAC
ATTGAAGACTCCTTGATAAGGATGTAGACTATGGGACAGAAGTTTACAAATCGAACATCTTACTGCA
GACAAGATATAAATAAGGAACATCTTTGGCAGAAAGTCTCTAAGCTACATTCAAAGATAACTCTTTAGA
GTTAAAAGAGCAACAACTCTAGGTAGATTGAAGTCTTTGGAAGCTTTATAAGGCAGCTAAAGCAGGAA
AACTGGCTATCTGAAGAAACGTCAGATTATAGAAAACCATTTTACAACATATGAAGTCACTATGATAT
AG
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| Restriction Sites: | Sgfl-MluI |
| ACCN: | NM_001287599 |
| 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: [NM_001287599.1](#), [NP_001274528.1](#)

RefSeq Size: 3312 bp

RefSeq ORF: 702 bp

Locus ID: 168451

UniProt ID: [Q7Z6K1](#)

Cytogenetics: 7q31.1

Gene Summary: Has sequence-specific DNA-binding activity and can function as transcriptional repressor (in vitro) (PubMed:21110952). May be a regulator of cell cycle: THAP5 overexpression in human cell lines causes cell cycle arrest at G2/M phase (PubMed:19502560).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (4) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream start codon, compared to variant 1. Variants 3, 4 and 5 encode the same isoform (3), which is shorter at the N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.