

## Product datasheet for SC333852

### TCTP (TPT1) (NM\_001286273) Human Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | TCTP (TPT1) (NM_001286273) Human Untagged Clone  |
| Tag:                      | Tag Free   |
| Symbol:                   | TCTP   |
| Synonyms:                 | HRF; p02; p23; TCTP  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| Fully Sequenced ORF:      | >SC333852 representing NM_001286273.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC  
 ATGGTCAGTAGGACAGAAGGTAACATTGATGACTCGCTCATTGGTGGAATGCCTCCGCTGAAGGCCCC  
 GAGGGCGAAGGTACCGAAAGCACAGTAATCACTGGTGTGATATTGTCATGAACCATCACCTGCAGGAA  
 ACAAGTTTCACAAAAGAAGCCTACAAGAAGTACATCAAAGATTACATGAAATCAATCAAAGGAAACTT  
 GAAGAACAGAGACCAGAAAGAGTAAACCTTTTATGACAGGGGCTGCAGAACAAATCAAGCACATCCTT  
 GCTAATTTCAAAACTACCAATTCTTTATTGGTAAAACATGAATCCAGATGGCATGGTTGCTCTATTG  
 GACTACCGTGAGGATGGTGTGACCCCATATATGATTTTCTTAAGGATGGTTAGAAATGGAATAATGT  
 TAA  
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGCCCGGC

|                    |  |
|--------------------|--|
| Restriction Sites: | SgfI-MluI  |
| ACCN:              | NM_001286273   |
| Insert Size:       | 417 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).   |


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**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\\_001286273.1](#)

**RefSeq Size:** 4575 bp

**RefSeq ORF:** 417 bp

**Locus ID:** 7178

**UniProt ID:** [P13693](#)

**Cytogenetics:** 13q14.13

**MW:** 15.6 kDa

**Gene Summary:** This gene encodes a protein that is a regulator of cellular growth and proliferation. Its mRNA is highly structured and contains an oligopyrimidine tract (5'-TOP) in its 5' untranslated region that functions to repress its translation under quiescent conditions. The encoded protein is involved in a variety of cellular pathways, including apoptosis, protein synthesis and cell division. It binds to and stabilizes microtubules, and removal of this protein through phosphorylation is required for progression through mitotic and meiotic cell divisions. This gene is known to play a role in carcinogenesis, and is upregulated in some cancer cells. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2017]

Transcript Variant: This variant (3) contains multiple differences in the coding region, compared to variant 1, including initiation of translation at a downstream in-frame start codon. The encoded isoform (3) has shorter N- and C-termini, 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.