

Product datasheet for **SC117873**

TPST1 (NM_003596) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TPST1 (NM_003596) Human Untagged Clone
Tag:	Tag Free
Symbol:	TPST1
Synonyms:	TANGO13A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117873 sequence for NM_003596 edited (data generated by NextGen Sequencing)

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ATGGTTGGAAAGCTGAAGCAGAAGCTTACTATTGGCATGTCTGGTATTAGTTCTGTGACT
GTGTTTTACCTGGGCCAGCATGCCATGGAATGCCATCACCGGATAGAGGAACGTAGCCAG
CCAGTCAAATTGGAGAGCACAAGGACCACTGTGAGAACTGGCCTGGACCTCAAAGCCAAC
AAAACCTTTGCCTATCACAAAGATATGCCTTTAATATTTATTGGAGGTGTGCCTCGGAGT
GGAACCACACTCATGAGGGCCATGCTGGACGCACATCCTGACATTCGCTGTGGAGAGGAA
ACCAGGGTCATCCCCGAATCCTGGCCCTGAAGCAGATGTGGTCACGGTCAAGTAAAGAG
AAGATCCGCTGGATGAGGCTGGTGTACTGATGAAGTGTGGATTCTGCCATGCAAGCC
TTCTTACTAGAAATTATCGTTAAGCATGGGGAGCCAGCCCCTATTTATGTAATAAAGAT
CCTTTTGCCTGAAATCTTTAACTTACCTTTCTAGGTTATCCCCAATGCCAAATTTCTC
CTGATGGTCCGAGATGGCCGGGCATCAGTACATTCAATGATTTCTCGAAAAGTTACTATA
GCTGGATTTGATCTGAACAGCTATAGGGACTGTTTGACAAAGTGAATCGTGCTATAGAG
ACCATGTATAACCAAGTGTATGGAGGTTGGTTATAAAAAGTGCATGTTGGTTCACTATGAA
CAACTTGTCTTACATCCTGAACGGTGGATGAGAACACTCTTAAAGTTCTCCAGATTCCA
TGGAACCACTCAGTATTGCACCATGAAGAGATGATTGGGAAAGCTGGGGGAGTGTCTCTG
TCAAAAAGTGGAGAGATCTACAGACCAAGTAATCAAGCCAGTCAATGTAGGAGCTCTATCA
AAATGGGTTGGGAAGATACCGCCAGATGTTTTACAAGACATGGCAGTATTGCTCCTATG
CTTGCCAAAGCTTGATATGACCCATATGCCAACCCACCTAACTACGGAACCTGATCCC
AAAATTATTGAAAACACTCGAAGGGTCTATAAGGGAGAATCCAACACTACCTGACTTCTT
AAAGAAAACACAGACTGAGCAAGTGGAGTAG

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Clone variation with respect to NM_003596.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003596 unedited ATCCAAACTACTATAGGCGGCCGCAATTCGGCACGAGGGGAGACGCTGTTGAGGCGGC TTCGGTTGCGGGTCGGAACGGCGCTGCTCTGCGGGCCGGTCCAGGCTGGCAGCTGCCGG CGCTTGCGGGTGAGGGCGGGCTCCCGAGTGGCCCCCACCGAAGGCGGTGGGACCAGCGG CTGAGGCCAGGATGCCGTCCAGGCGGCGCGGCTCCTCACTCATCCCAGATGTTGGTT ATCTTTTGAAGTAGACTGTCCATGGCCTGAACATTTCCGAAAAATCATTTTGAGCAAAA TATCTGTTTAATAACAAGATAACCACATCAAGATGGTTGGAAAGCTGAAGCAGAATTAC TATTGGCATGTCTGGTGATTAGTTCTGTGACTGTGTTTTACCTGGCCAGCATGCCATGG AATGCCATCACCGGATAGAGGAACGTAGCCAGCCAGTCAAATGGAGAGCACAAGGACCA CTGTGAGAACTGGCCTGGACCTCAAAGCCAACAAAACCTTTGCCTATCACAAAGATATGC CTTTAATATTTATTGGAGGTGTGCCTCGGAGTGGAACCACTCATGAGGGCCATGCTGG ACGCACATCCTGACATTCGCTGTGGAGAGGAAACCAGGGTCATCCCCGAATCCTGGCCC TGAAGCAGATGTGGTACGGTCAAGTAAAGAGAAGATCCGNTGGATGAGGCTGGTGTTA CTGATGAAGTGTGGATTCTGCCATGCAAGCCTTTCTACTAGAAATTATCGTTAAGCATG GGGAGCCAGCCCCTTATTTATGTATAAAGATCCTTTTGCCTGAAATCTTTACTTACCTT TCTAGGTTATCCCCATGCCAAATCTNCTGATGGTCCGAGATGCCGGGCATCATACATT CATGATTCGAAAGTACTTAGCTGGATTGATCTGAAGCTATGGGACTGTTGAA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003596 unedited GACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTATGCTTCACACT GAAAGCTTTTATTTGAAAAATAAAATACAAAAGTCATTAGGTTGTAATGTATAATGGT AATTTCCCAACTTCTCAGAAAACAATAAATGAATTAATAATTAGGATATTTAATATTAT TCACATCAATACACTTAAACAGGCACACGTGTTCTACAAAACCTTAGAACATGTACAGAC AACCTATTTCAAAGGAGACTGCCAAAGTCTGCTTACAGGATCCATTTTTAAACCCTCT CCTTGAAAACAAACGTCATAATGTAAGAAAAGAGAACAAGAGGAGTTTTAACAGGAAACA CATGTTCTTCTGGGCTCCTTACTGCAGGGCTGTGCATGAAATCGGGATCAAGAGCTCTT TGCTCAGGAGGCAGATCCCTCACGAGGCCAAAGCTGTGCGGACACCTCCATCCTCTCAG TGGGAGGAAACTGGCAATGCACAGGCGGCGCAGCCAAGTGCAGACGCTCCACCAAGCT TGGCAGGGGACAGCCAATCCTAGGAATTTCCCTTCTGCTGAAAAGGCAGCAATCTTTCTT CATGATGGAAGAGGCTCCTGGTTCTGCTACTCCAATTGCTCAGTCTGTGGTTTTTCTTT AAGAAAGTCAGGTAGTTGGAATTTCCCTTATAGACCCTTCGAGTGTTCATAAATTTT GGGATCAGGTTTTCCGTAGTTAGGTGGGTGGCATATGGGTATATCCAAGCTTGCAAG CATANGAGCAATCACTGCCATGTCTTTGTAACATCTGGCGGTATCTTCCACCCCATTT GATAGAGCTCCTACATTGACTGGCNTGATACTGGNCTGNAGATCTTNCATTTTGACA GAGAACTNCCCAGCTTTCCCATNATNTCTTCATG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_003596
Insert Size:	2110 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: [NM_003596.2](#), [NP_003587.1](#)

RefSeq Size: 2033 bp

RefSeq ORF: 1113 bp

Locus ID: 8460

UniProt ID: [O60507](#)

Cytogenetics: 7q11.21

Domains: Sulfotransfer

Gene Summary: Catalyzes the O-sulfation of tyrosine residues within acidic motifs of polypeptides, using 3'-phosphoadenylyl sulfate (PAPS) as cosubstrate.[UniProtKB/Swiss-Prot Function]