

Product datasheet for **SC320447**

TPST2 (NM_001008566) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TPST2 (NM_001008566) Human Untagged Clone
Tag:	Tag Free
Symbol:	TPST2
Synonyms:	TANGO13B; TPST-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001008566.1
 GCTGGGTGCGTGGGGCTGCCTCGCCGCTCTCGCCGGGCTCTGCCAGCAGACAGCCTTG
 GCACACAGGCACAAGGGCTGGAGCCCAGAGATGAGAGTGCCCAAGGGAGATGTGAGCCTG
 GCGGGTGCCTCGCTAACCTGTGCTGAAGCCCCAGAAGCGGGCCCTCAGGCCAGGCCTAC
 CCTGCCTCCGGCCAGCATGCGCCTGTCGGTGCGGAGGGTGTGCTGGCAGCCGGCTGCG
 CCCTGGTCTGGTGTGGCGTTTCAGCTGGGACAGCAGGTGCTAGAGTGCCGGGGCGGTG
 TGGCGGGCTGCGGAGCCCCGGGGGCCATGCGCCTGAGCAGGAGGAGCTGGTATGG
 TGGGCACCAACCAGTGAATACCGCTATGGCAAGGCCATGCCGCTCATCTTCGTGGGTG
 GCGTGCCTCGCAGTGGCACACGTTGATGCGCGCCATGCTGGACGCCACCCTGAGGTGC
 GCTGCGCGAGGAGACCCGCATCATCCCAGCGTGTGGCCATGCGCCAGGCCTGGTCCA
 AGTCTGGCCGTGAGAAGCTGCGGCTGGATGAGGCGGGGTGACGGATGAGGTGCTGGACG
 CCGCCATGCAGGCCTTCATCCTGGAGGTGATTGCCAAGCACGGAGAGCCGGCCCGCTGC
 TCTGCAACAAGGACCCATTTACGCTCAAGTCTCGGTCTACCTGTCGCGCCTGTTCCCA
 ACTCCAAGTTCCTGCTGATGGTGGGGACGGCCGGCCCTCCGTGCACTCCATGATCACGC
 GCAAAGTCAACATTGCGGGCTTTGACCTCAGCAGTACCGTGACTGCCTACCAAGTGG
 ACAAGGCCATCGAGGTGATGTACGCCAGTGATGGAGGTAGGCAAGGAGAAGTGCTTGC
 CTGTGTACTACGAGCAGCTGGTGTGCACCCAGGCGCTCACTCAAGCTATCCTCGACT
 TCCTCGGCATCGCCTGGAGCGAGCTGTCTCCACCATGAAGACCTCATTGGCAAGCCCG
 GTGGTGTCTCCCTGTCCAAGATCGAGCGGTCCACGGACCAGGTCAAGCCTGTTAACC
 TGGAAAGCGCTCTCAAGTGGACTGGCCACATCCCTGGGGATGTGGTGGGGACATGGCCC
 AGATCGCCCCATGCTGGCTCAGCTCGGCTATGACCCTTATGCAAACCCCCCAACTATG
 GCAACCCTGACCCCTTCGTATCAACAACACACAGCGGGTCTTGAAGGGGACTATAAAA
 CACCAGCCAATCTGAAAGGATATTTTCAGGTGAACCAGAACAGCACCTCCTCCACTTAG
 GAAGCTCGTGATTTCCAGATCTCCGCAAATGACTTCATTGCCAAGAAGAGAAGAAAATGC
 ATTTAAGTGGAAATCGGACCTCTAATCCAAGCATATTGCTTGTATTAATCGCCAAAACA
 GGACTGCTGATGAGGAATGTATTTGCATATGTTTGCAAAAGCTGAATCATTGAAAACGTA
 CCTTGAAACTCTATCTCTGGACTCCAGGGTAGAGAATGAAGGGTATGGAAGTAGTC
 CGGCTTTTGAACCTTAGTATTTTATATTTTCCCTCAAGAATTTTTTTAAGAGACA
 GATTTGCCATCCTCCTAATTTGCAGGACTGCCTTGGTGGCTTTGTTTGTGGGACAAGG
 CCCACAACCTGTGCTCCTATTGACCCTTACTTTGAATCAAAGAATCTATTTAAGAG
 TTTAATATATGAGGCTTTCTTTGATTCCTCCTCAGTTCTACCTAGTTTCACAGAGGAAAA
 AAATACTTTTGAATAAAGTGAACAGAGGCTCATTGTTTGTGCCTCACTTTACTGAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001008566

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.

RefSeq: [NM_001008566.1](#), [NP_001008566.1](#)

RefSeq Size: 2018 bp

RefSeq ORF: 1134 bp

Locus ID: 8459

UniProt ID: [O60704](#)

Cytogenetics: 22q12.1

Protein Families: Transmembrane

Gene Summary: The protein encoded by this gene catalyzes the O-sulfation of tyrosine residues within acidic regions of proteins. The encoded protein is a type II integral membrane protein found in the Golgi body. Alternative splicing produces multiple transcript variants encoding distinct isoforms. [provided by RefSeq, May 2018]

Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.