

## Product datasheet for SC301327

### TPST2 (NM\_001008566) Human Untagged Clone

#### Product data:

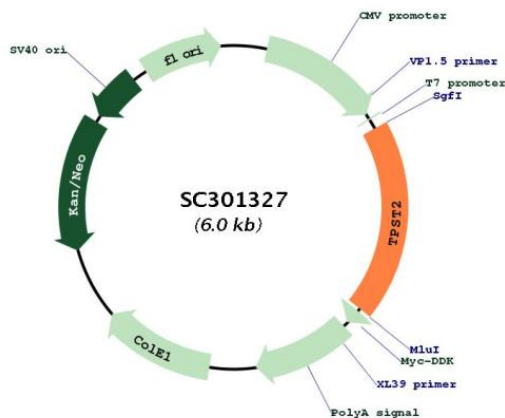
Product Type:	Expression Plasmids
Product Name:	TPST2 (NM_001008566) Human Untagged Clone
Tag:	Tag Free
Symbol:	TPST2
Synonyms:	TANGO13B; TPST-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301327 representing NM_001008566. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGCCTGTGCGGTGCGGAGGGTCTGCTGGCAGCCGGCTGCGCCCTGGTCTGGTCTGGCGGTTTCAG
CTGGGACAGCAGGTGCTAGAGTCCGGGGCGGTGCTGGCGGGCCTGCGGAGCCCCGGGGGCCATGCGG
CCTGAGCAGGAGGAGCTGGTGTGGTGGGCACCAACCACGTGGAATACCGCTATGGCAAGGCCATGCCG
CTCATCTCGTGGGTGGCGTGCCTCGCAGTGGCACCACGTTGATGCGCGCCATGCTGGACGCGCACCCC
GAGGTGCGCTGCGGCGAGGAGACCCGCATCATCCCGCGCTGCTGGCCATGCGCCAGGCCCTGGTCCAAG
TCTGGCCGTGAGAAGCTGCGGCTGGATGAGGCGGGGTGACGGATGAGGTGCTGGACGCCCATGCAG
GCCTTCATCCTGGAGGTGATTGCCAAGCAGGAGACCGGCCCGCGTGTCTGCAACAAGGACCCATTT
ACGCTCAAGTCCCTCGGTCTACCTGTCGCGCCTGTTCCCAACTCCAAGTTCCTGCTGATGGTGGCGGAC
GGCCGGGCTCCGTGCACTCCATGATCACGCGCAAAGTCAACATTGCGGGCTTTGACCTCAGCAGTAC
CGTGACTGCCTCACCAGTGGAACAAGGCCATCGAGGTGATGTACGCCAGTGCATGGAGGTAGGCAAG
GAGAAGTGCTGCTGTACTACGAGCAGTGGTGTGCACCCAGGCGCTCACTCAAGCTCATCTC
GACTTCCTCGGCATCGCCTGGAGCGACGCTGTCTCCACCATGAAGACCTCATTGGCAAGCCCGTGGT
GTCTCCCTGTCCAAGATCGAGCGGTCCACGACCAAGTTCATCAAGCCTGTTAACCTGGAAGCGCTCTCC
AAGTGGACTGGCCACATCCCTGGGATGTGGTGGCGGACATGGCCAGATCGCCCCATGCTGGCTCAG
CTCGGCTATGACCCTTATGCAAACCCCAACTATGGCAACCCTGACCCCTTCGTATCAACAACACA
CAGCGGGTCTTGAAGGGGACTATAAAACACCAGCCAATCTGAAAGGATATTTTCAGGTGAACCAGAAC
AGCACCTCTCCCACTTAGGAAGCTCGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001008566

**Insert Size:** 1134 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).

**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](#)

**RefSeq Size:** 2018 bp

**RefSeq ORF:** 1134 bp

**Locus ID:** 8459

**UniProt ID:** [O60704](#)

**Cytogenetics:** 22q12.1

**Protein Families:** Transmembrane

**MW:** 41.9 kDa

**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.