

## Product datasheet for **MC209582**

### Tpst1 (NM\_013837) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tpst1 (NM\_013837) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tpst1  
**Synonyms:** R75054; Tango13a  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC209582 representing NM\_013837  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTTGGGAAGCTGAAGCAGAAGCTTACTCTTGGCGTGTCTGGTGATTAGTTCTGTGACCGTGTTTTACC  
 TGGGCCAGCATGCCATGGAGTGCCATCACCGAATAGAGGAACGTAGCCAGCCAGCCCGACTGGAGAACCC  
 CAAGGCGACTGTGCGAGCTGGCCTCGACATCAAAGCCAACAAAACATTACCTATCACAAGATATGCCT  
 TTAATATTCATCGGGGTGTGCCTCGGAGCGGCACCACACTCATGAGGGCTATGCTGGACGCACATCCTG  
 ACATCCGCTGTGGAGAGGAAACCAGGGTCATCCCTCGAATCCTGGCCCTGAAGCAGATGTGGTCCCGGTC  
 CAGTAAAGAGAAGATCCGCTTGATGAGGCGGGTGTACAGATGAAGTGCTAGATTCTGCCATGCAAGCC  
 TTCTTCTGGAGGTCATTGTTAAACATGGGGAGCCGGCACCTTATTTATGTAACAAGATCCGTTTGCC  
 TGAAATCCTTGACTTACCTTGCTAGGTTATTTCCAATGCCAAATTTCTCCTGATGGTCCGAGATGGCCG  
 GGCGTCAGTACATTCAATGATTTCTCGGAAAGTACTATAGCTGGCTTTGACCTGAACAGCTACCGGGAC  
 TGTCTGACCAAGTGAACCGGGCCATAGAAACCATGTACAACCAAGTGTGGAAGTTGGTTATAAGAAAT  
 GCATGTTGGTTCACTATGAACAGCTCGTCTTACACCCTGAACGGTGGATGAGAACGCTCTTAAAGTTCCT  
 CCATATTCATGGAACCATCCGTTTTCACCATGAAGAAATGATCGGAAAGCTGGGGGAGTTTCTCTG  
 TCAAAGGTGAAAGATCAACAGACCAAGTCATCAAACCCGTCAACGTGGGGCGCTATCGAAGTGGGTTG  
 GGAAGATACCCCGGACGCTTACAAGACATGGCCGTGATTGCACCCATGCTCGCCAAGCTTGATATGA  
 CCCATACGCCAATCCTCCTAACTACGGAACCTGACCCCAAGATCCTTGAAAACACCAGGAGGGTCTAT  
 AAAGGAGAATTTAGCTCCCTGACTTTCTGAAAGAAAAACCCAGACGGAGCAAGTGGAGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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ACCN:	NM_013837
Insert Size:	1113 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:	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
RefSeq:	<a href="#">NM_013837.2</a> , <a href="#">NP_038865.1</a>
RefSeq Size:	1871 bp
RefSeq ORF:	1113 bp
Locus ID:	22021
UniProt ID:	<a href="#">O70281</a>
Cytogenetics:	5 G1.3
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] Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.