

Product datasheet for **RN214275**

Tpst1 (NM_001011903) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tpst1 (NM_001011903) Rat Untagged Clone
Tag: Tag Free
Symbol: Tpst1
Synonyms: MGC125193
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN214275 representing NM_001011903
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTGGAAAGCTGAAGCAGAAGCTTGGCTCTTGGCGTGCCTGGTATTAGTTCTGTGACCGTGTTTTACC
TGGGCCAGCATGCCATGGAGTGCCATCACCGAATAGAGGAACGTAGCCAGCCAGCCAGACTGGAGAACC
CAAGGCGACTGTGCGAAGTGGTCTGGACATCAAAGCCAACAAAACGTTCCACCTATCACAAAAATATGCCT
TTAATATTCATCGGAGGTGTGCCTCGGAGCGGAACCACTCATGAGGGCTATGTGGATGCACACCCTG
ACATCCGCTGTGGAGAGGAAACCAGGGTCATCCCTCGAATCCTGGCCCTGAAGCAGATGTGGTCTCGATC
CAGTAAAGAGAAGATCCGCCTGGATGAGGCTGGCGTCACAGATGAAGTGCTGGATTCTGCCATGCAAGCC
TTCTTCTGGAGGTGATCGTGAAACATGGGGAGCCAGCACCTTATTTATGTAACAAAGATCCCTTTGCC
TGAAATCCTTGACTTACCTTGTAGGTTATCCCAATGCCAAATTTCTCCTGATGGTCCGAGATGGCCG
GGCGTCAGTACACTCAATGATTTCTCGGAAAGTTACCATAGCTGGGTTTGACCTGAACAGCTACCGGGAC
TGTCTGACCAAGTGAACCGGGCCATAGAGACCATGTACAACAGTGTATGGAAGTTGGCTATAAGAAAT
GCATGTTGGTCCACTATGAACAGCTGGTCTTACACCCTGAACGGTGGATGAGGACGCTCTTAAAGTTCT
CCATATTCATGGAACCATTCAGTTTTACACCACGAAGAGATGATCGGAAAGCTGGGGGCGTTTCTCTG
TCAAAGTGGAAGATCAACAGACCAAGTCATCAAGCCCGTCAATGTGGGGCACTATCGAAGTGGGTTG
GGAAGATACCCAGATGTCTTACAAGACATGGCAGTGATCGCGCCATGCTTGCCAAACTGGGATATGA
TCCATACGCCAATCCCCCTAACTACGGAACCTGACCCCAAGATCCTTGAAAACACCAGGAGGGTCCAT
AAAGGAGAGTTTTCAGCTACCTGACTTTCTGAAAGAAAAACCCAGACCGCAAGTGAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1959_h06.zip



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001011903
Insert Size:	1113 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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"> 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_001011903.2 , NP_001011903.2
RefSeq Size:	1714 bp
RefSeq ORF:	1113 bp
Locus ID:	288617
UniProt ID:	Q3KR92
Cytogenetics:	12q12
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]