

Product datasheet for **SC330849**

TST (NM_001270483) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	TST
Synonyms:	RDS
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330849 representing NM_001270483. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTTTCATCAGGTGCTCTACCGGGCGCTGGTCTCCACCAAGTGGCTGGCGGAGTCCATCAGGACTGGC
AAGCTGGGGCCCGCCTGCGGGTGTGGACGCGTCCTGGTACTCACCAGGCACCCGAGAGGCCGCAAG
GAGTACCTCGAGCGCCACGTACCGGCGCCTCTTCTTTGACATAGAAGAGTGGCGGACACGGCGTCG
CCCTACGAGATGATGCTGCCAGCGAGGCTGGCTTCGCCGAGTATGTGGCGCCTGGGCATCAGCAAC
CACACGCACGTGGTGGTGTATGATGGTGAACACCTGGGCAGCTTCTATGCTCCCGGGTCTGGTGGATG
TTCCGTGTGTTTGGCCACCGCACCGTATCAGTGCTCAATGGTGGCTTCCGGAAGTGGCTGAAGGAGGGC
CACCGGTGACATCCGAGCCCTCACGCCAGAACCGGCCGCTCTTCAAAGCCACACTGGACCGCTCCCTG
CTCAAGACCTACGAGCAGGTGCTGGAGAACCTTGAATCTAAGAGGTTCCAGCTGGTGGATTCAAGGTCT
CAAGGGCGGTTCTGGGCACCGAGCCGGAGCCGATGCAGTAGGACTGGACTCGGGCCATATCCGTGGT
GCCGTCAACATGCCTTTCATGGACTTCTGACTGAGGATGGCTTCGAGAAGGGCCAGAAAGAGCTCCGT
GCTCTGTTCCAGACCAAGAAGGTGGATCTCTCGCAGCCTCTCATTGCCACGTGCCGCAAGGGAGTCACC
GCCTGCCACGTGGCCTTGGCTGCCTACCTCTGCGGCAAGCCTGATGTGGCCGTGTACGATGGCTCCTGG
TCCGAGTGGTTTCGCCGGGCCCCCAGAGAGCCGTGTGTCCAGGAAAGTCTGAGAAGGCC

Restriction Sites:	SgfI-RsrII
ACCN:	NM_001270483
Insert Size:	894 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001270483.1
RefSeq Size:	1111 bp
RefSeq ORF:	894 bp
Locus ID:	7263
UniProt ID:	Q16762
Cytogenetics:	22q12.3
Protein Families:	Druggable Genome
MW:	33.4 kDa
Gene Summary:	This is one of two neighboring genes encoding similar proteins that each contain two rhodanese domains. The encoded protein is localized to the mitochondria and catalyzes the conversion of thiosulfate and cyanide to thiocyanate and sulfite. In addition, the protein interacts with 5S ribosomal RNA and facilitates its import into the mitochondria. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012] Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same protein.