

## Product datasheet for **MC209598**

### Tst (NM\_009437) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Tst
Synonyms:	Rhodanese
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209598 representing NM_009437 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGTACATCAGGTGCTTACCAGGGCGCTGGTATCCACCAAGTGGCTGGCGGAATCCATTTCGGTCTGGCC  
GCCTGGGGCCAGCCTTCGGGTGCTGGACGCGTCTTGGTACTACCCGGGACCCGCCAGGCACGCAAGA  
GTACCAGGAGCGACAGTGCCTGGCGCGTCTTCTTTGATATAGAGGAATGCCGGGACAGACTTCGCCT  
TATGAGATGATGCTGCCAGTGAGGCCACTTTGGGGACTATGTGGCAACCTGGGCATAAGCAACGACA  
CACATGTGGTGGTATACGATGGAGATGACCTGGGCAGCTTCTATGCACCCAGAGTCTGGTGGATGTTTCG  
TGTGTTGGCCACCGCACAGTGTCAATGGTGGCTTCCGGAAGTGGCTGAAGGAGGGCCACCCG  
GTGACATCTGAGCCCTCGAGGCCAGAGCCAGCCGTTTTCAAAGCCACACTGAATCTCTCCCTGCTCAAGA  
CCTATGAGCAGGTCTAGAGAACTCCAGTCTAAAAGTTCCAGTGGTGGACTCTCGGGCCCAAGGACG  
GTACCTGGGCACACAACCGGAGCCGGATATAGTAGGACTAGACTCGGGCCACATCCGTGGCTCAGTCAAC  
ATGCCCTTCATGGACTTCTGACGAAAGATGGCTTCGAGAAGAGCCAGAGGAGCTGCGTGCATATTCC  
AGGACAAGAAGGTGGACCTCTCACAGCCCTCATTGCCACGTGCCCAAGGGGGTCACTGCCTGTACGTT  
TGCCCTGGCTGCCTACCTTTGTGGCAAACCCGATGTGGCTGTTACGATGGCTCTGGTCAGAGTGGTTC  
CGCAGGGCACCCCAAGAGCCCGTGTGCCAGGGGAAGAGTGGGAAGGCCGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-RsrII
ACCN:	NM_009437



<b>Insert Size:</b>	894 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<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>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_009437.4</a> , <a href="#">NP_033463.1</a>
<b>RefSeq Size:</b>	1096 bp
<b>RefSeq ORF:</b>	894 bp
<b>Locus ID:</b>	22117
<b>UniProt ID:</b>	<a href="#">P52196</a>
<b>Cytogenetics:</b>	15 37.47 cM
<b>Gene Summary:</b>	Together with MRPL18, acts as a mitochondrial import factor for the cytosolic 5S rRNA. Only the nascent unfolded cytoplasmic form is able to bind to the 5S rRNA (By similarity). Formation of iron-sulfur complexes and cyanide detoxification.[UniProtKB/Swiss-Prot Function]