

# Recombinant Human TST Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** TST-3127H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	TST MS Standard C13 and N15-labeled recombinant protein (NP_003303) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	33.4 kDa
<b>AA Sequence</b>	MVHQVLYRALVSTKWLAESIRTGKLGPLRVLDASWYSPGTREARKEYLERHVPGA SFFDIEECRDTASPYEMMLPSEAGFAEYVGR LGISNHTHV VVDGEHLGSFYAPRV WWMFRVFGHRTVSVLNGGFRNWLKEGHPVTSEPSRPEPAVFKATLDRSLLKTYEQ VLENLESKRFLVDSRSQGRFLGTEPEPDAVGLDSGHIRGAVNMPFMDFLTEDGFE KGPEELRALFQTKKVDLSQPLIATCRKGV TACHVALAAYLCGKPDVAVYDGSWSEW FRRAPPESRVSQ GKSEKASGPTTRTRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

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<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

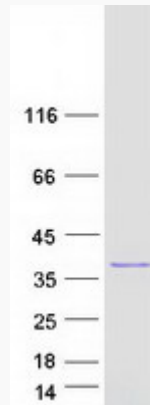
<b>Gene Name</b>	TST thiosulfate sulfurtransferase [ Homo sapiens (human) ]
<b>Official Symbol</b>	TST
<b>Synonyms</b>	TST; thiosulfate sulfurtransferase (rhodanese); thiosulfate sulfurtransferase; RDS; MGC19578;
<b>Gene ID</b>	7263
<b>mRNA Refseq</b>	NM_003312
<b>Protein Refseq</b>	NP_003303
<b>MIM</b>	180370
<b>UniProt ID</b>	Q16762

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**SDS-PAGE**



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