

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

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

SPECIFICATION

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

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

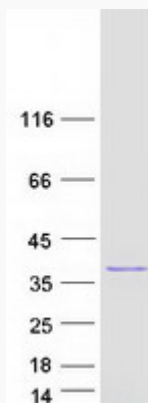
GENE INFORMATION

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

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SDS-PAGE

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