

Product datasheet for **TP304002**

TST (NM_003312) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human thiosulfate sulfurtransferase (rhodanese) (TST), nuclear gene encoding mitochondrial protein, 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC204002 protein sequence
Red=Cloning site **Green**=Tags(s)

MVHQVLYRALVSTKWLAESIRTGKLGPLRVLDASWYSPGTREARKEYLERHVPGASFFDIEECRDTASP
YEMMLPSEAGFAEYVGRGLISNHTHVWYDGEHLGSFYAPRVWWMFRVFGHRTVSVLNGGFRNWLKEGHP
VTSEPSRPEPAVKATLDRSLLKTYEQVLENLESKRFLVDSRSQGRFLGTEPEPDAVGLDSGHIRGAVN
MPFMDFLTEDGFEKGPPEELRALFQTKKVDLSQPLIATCRKGVTAACHVALAAYLCGKPDVAVYDGSWSEWF
RRAPPESRVSQGKSEKA

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 33.2 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage: Store at -80°C.
Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq: [NP_003303](#)
Locus ID: 7263



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UniProt ID: [Q16762](#), [A0A384NKQ2](#)

RefSeq Size: 1143

Cytogenetics: 22q12.3

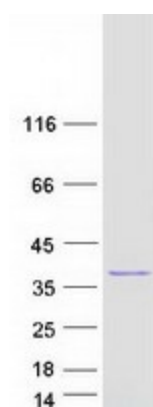
RefSeq ORF: 891

Synonyms: RDS

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]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified TST protein (Cat# TP304002). The protein was produced from HEK293T cells transfected with TST cDNA clone (Cat# [RC204002]) using MegaTran 2.0 (Cat# [TT210002]).