

Product datasheet for **TP304002L**

TST (NM_003312) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human thiosulfate sulfurtransferase (rhodanese) (TST), nuclear gene encoding mitochondrial protein, 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC204002 protein sequence Red =Cloning site Green =Tags(s) |

MVHQVLYRALVSTKWLAESIRTGKLGPLRVLDASWYSPGTREARKEYLERHVPGASFFDIEECRDTASP
YEMMLPSEAGFAEYVGRGLISNHTHVVYDGEHLGSFYAPRVWWMFRVFGHRTVSVLNGGFRNWLKEGHP
VTSEPSRPEPAVFKATLDRSLLKTYEQVLENLESKRFLVDSRSQGRFLGTEPEPDAVGLDSGHIRGAVN
MPFMDFLTEDGFEKGPPEELRALFQTKKVDLSQPLIATCRKGV TACHVALAAYLCGKPDVAVYDGSWSEWF
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

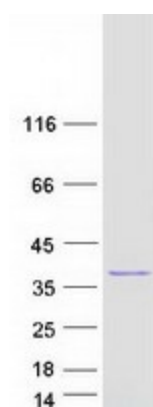
RefSeq ORF: 891

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]).