

Thiosulfate Sulfurtransferase Recombinant Protein | TST recombinant protein

Recombinant Human Thiosulfate Sulfurtransferase

CATALOG #
AAA38740

HOST
E Coli

PRODUCT SYNONYMS

Thiosulfate Sulfurtransferase; Recombinant Human Thiosulfate Sulfurtransferase; Rhodanese Human; Thiosulfate Sulfurtransferase Human Recombinant; EC 2.8.1.1; TST; MGC19578; RDS; Thiosulfate sulfurtransferase; Rhodanese; TST recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The Rhodanese protein solution contains 20mM Tris-HCl, pH-8 and 10% Glycerol. Sterile filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMVH QVLYRALVST KWLAEISRTG KLGPGLRVLD ASWYSPGTRE ARKEYLERHV PGASFFDIEE CRDTASPYEM MLPSEAGFAE YVGRLGISNH THVVYDGEH LGSFYAPRVW WMFRVFGHRT VSVLNGGFRN WLKEGHPVTS EPSRPEPAVF KATLDRSLLK TYEQVLENLE SKRFQLVDSR SQGRFLGTPEP EPDAVGLD SG HIRGAVNMPF MDFLTEDGFE KGPEELRALF QTKKVDLSQP LIATCRKGV T ACHVALAAYL CGKPDVAVYD GSWSEWFRR PPSRVSQ GK SEKA
Sequence Length	297
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for TST recombinant protein	Description: Recombinant Human Rhodanese produced in E Coli is a single, non-glycosylated polypeptide chain containing 317 amino acids (1-297 a.a) and having a molecular mass of 35.6 kDa. Rhodanese is fused to a 20 amino acid His-Tag at N-terminus and purified by conventional chromatography techniques. Introduction: Rhodanese is a mitochondrial matrix enzyme that is encoded by the nucleus. Rhodanese is involved in cyanide detoxification, the formation of iron-sulfur proteins, and the modification of sulfur-containing enzymes. Rhodanese catalyzes the chemical reaction of thiosulfate & cyanide to sulfite & thiocyanate (detoxification). Rhodanese is part of the transferase family of proteins. Rhodanese includes two highly conservative domains, identified as rhodanese homology domains. In mammals, the majority of cyanide is converted to thiocyanate. Rhodanese has weak mercaptopyruvate sulfurtransferase activity.
Product Categories/Family for TST recombinant protein	Enzymes; Transferase

NCBI AND UNIPROT INFORMATION

NCBI GI #	395394071
NCBI GeneID	7263
NCBI Accession #	NP_001257412.1
NCBI GenBank Nucleotide #	NM_001270483.1

UniProt Accession #	Q16762 ; Q6IB06 ; B3KRM1
Molecular Weight	33,429 Da
NCBI Official Full Name	thiosulfate sulfurtransferase
NCBI Official Synonym Full Names	thiosulfate sulfurtransferase (rhodanese)
NCBI Official Symbol	TST
NCBI Official Synonym Symbols	RDS
NCBI Protein Information	thiosulfate sulfurtransferase
UniProt Protein Name	Thiosulfate sulfurtransferase
UniProt Gene Name	TST
UniProt Entry Name	THTR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/tst-recombinant-protein-e-coli/38740>