

Product datasheet for **AR09306PU-N**

Thiosulfate sulfurtransferase (TST) (1-297, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Thiosulfate sulfurtransferase (TST) (1-297, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MVHQVLYRAL VSTKWLAESI RTGKLGPLR VLDASWYSPG TREARKEYLE RHVPGASFFD IECCRDTASP YEMMLPSEAG FAEYVGRGLI SNHTHVVVYD GEHLGSFYAP RVWWMFRVFG HRTVSVLNGG FRNWLKEGHP VTSEPSRPEP AVFKATLDLRS LLKTYEQVLE NLESKRFLV DSRSQGRFLG TEPEPDAVGL DSGHIRGAVN MPFMDFLTED GFEEKPEELR ALFQTKKVDL SQPLIATCRK GVTACHVALA AYLCGKPDVA VYDGSWSEWF RRAPPESRVS QGKSEKA
Tag:	His-tag
Predicted MW:	35.6 kDa
Concentration:	lot specific
Purity:	>95% by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant TST protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001257412</u>
Locus ID:	7263
UniProt ID:	<u>Q16762</u> , <u>A0A384NKQ2</u>
Cytogenetics:	22q12.3
Synonyms:	RDS



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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: