Product information

Thiosulfate sulfurtransferase, 1-297 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0423

Synonyms: RDS, TST, Rhodanese **NCBI Accession No.:** NP_003303

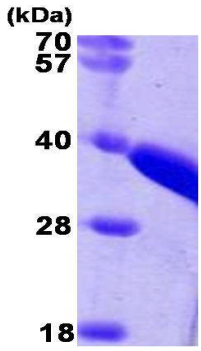
Description: Thiosulfate sulfurtransferase (TST), also known as Rhodanese, is a mitochondrial enzyme that involved in cyanide detoxification and the modification of sulfur-containing enzymes. This protein contains two highly conservative domains, known as rhodanese homology domains. In mammals, most cyanide is converted to thiocyanate by this enzyme. TST also has weak mercaptopyruvate sulfurtransferase activity. Recombinant TST protein was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.

Molecular Weight: 35.6 kDa (317aa)

Purity: > 95% by SDS – PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MVHQVLYRAL VSTKWLAESI RTGKLGPGLR VLDASWYSPG TREARKEYLE RHVPGASFFD IEECRDTASP YEMMLPSEAG FAEYVGRLGI SNHTHVVVYD GEHLGSFYAP RVWWMFRVFG HRTVSVLNGG FRNWLKEGHP VTSEPSRPEP AVFKATLDRS LLKTYEQVLE NLESKRFQLV DSRSQGRFLG TEPEPDAVGL DSGHIRGAVN MPFMDFLTED GFEKGPEELR ALFQTKKVDL SQPLIATCRK GVTACHVALA AYLCGKPDVA VYDGSWSEWF RRAPPESRVS QGKSEKA

General references:

Pallini R., *et al.* (1991) *Biochem Biophys Res Commun.* 180(2):887-93.

Aita N., *et al*. (1997) *Biochem Biophys Res Commun.* 231(1):56-60.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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