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DATA SHEET

Thiosulfate Sulfurtransferase Human Recombinant

Item Number	rAP-1980
Synonyms	EC 2.8.1.1, TST, MGC19578, RDS, Thiosulfate sulfurtransferase, Rhodanese.
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.
Uniprot Accesion Number	Q16762
Amino Acid Sequence	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.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°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.
Formulation and Purity	The Rhodanese protein solution contains 20mM Tris-HCl, pH-8 and 10% Glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only