

Recombinant Human TSTD1, His-tagged

Cat. No. TSTD1-963H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TSTD1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	Thiosulfate sulfurtransferase like domain containing 1, also known as TSTD1, belongs to the family of transferases, specifically the sulfurtransferases, which transfer sulfur-containing groups. The TSTD1 protein is localized around the nuclear membranes. It is expressed in several human tissues, including kidney, liver, skeletal muscle, heart, colon, thymus, spleen, placenta and lung. The TSTD1 protein may play roles in cyanide detoxification, the formation of iron-sulfur proteins, and the modification of sulfur-containing enzymes.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 100mM NaCl.
Molecular Weight	14.6 kDa (135aa) confirmed by MALDI-TOF.
Purity	> 95% by SDS - PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino	MGSSHHHHHH SSGLVPRGSH MAGAPT VSLP ELRSL LASGR ARLFDVRSRE EAA

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Acids	AGTIPGA LNIPVSELES ALQMEPAAFQ ALYSAEKPKEDEHLVFFCQ MGKR GL QATQ LARSLGYTGA RNYAGAYREW LEKES.
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.
GENE INFORMATION	
Gene Name	TSTD1 thiosulfate sulfurtransferase (rhodanese)-like domain containing 1 [Homo sapiens]
Synonyms	thiosulfate sulfurtransferase (rhodanese) -like domain containing 1; KAT; TSTD1; thiosulfate sulfurtransferase/rhodanese -like domain-containing protein 1; OTT-HUMP00000029700; putative thiosulfate sulfurtransferase KAT; thiosulfate sulfur transferase KAT, putative; KAT protein
Gene ID	100131187
mRNA Refseq	NM_001113205
Protein Refseq	NP_001106676
UniProt ID	Q8NFU3
Chromosome Location	1q23.3