



**TSTD1, 1-115aa, Human, His tag, E.coli**

**Cat.NO.: TP04332**

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3th Edition

**Synonyms:**Thiosulfate sulfurtransferase like domain containing 1, KAT

**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. Recombinant human TSTD1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**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

**Sequences:**

MGSSHHHHHSSGLVPRGSHMAGAPTVSLPELRSLLASGRARLFDVRSREEAAAGTIPGALNIPVSELESALQMEP  
AAFQALYSAEKPKLEDEHLVFFCQMGKRGLQATQLARSLGYTGARNYAGAYREWLEKES

**Purity:**> 95% by HPLC

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

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.