

# Recombinant human TSTD1 protein

Catalog Number: ATGP0950

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-115aa

### UniProt No.

Q8NFU3

### NCBI Accession No.

NP\_001106678

### Alternative Names

Thiosulfate sulfurtransferase like domain containing 1, KAT

## PRODUCT SPECIFICATION

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### Molecular Weight

14.6 kDa (135aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 100mM NaCl

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### 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

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using conventional chromatography techniques.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MAGAPT VSLP ELRSL LASGR ARLFDVRSRE EAAAGTIPGA LNIPVSELES ALQMEPAAFQ  
ALYSAEKPKL EDEHLVFFCQ MGKRGLQATQ LARSLGYTGA RNYAGAYREW LEKES

### General References

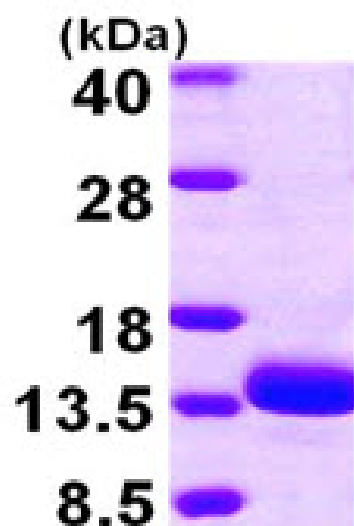
Wenzel K., et al. (2003) Biol Chem. 3846:763-75.

Matthies A., et al. (2004) Proc Natl Acad Sci uSA. 101:5946-5951.

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)