

# Recombinant human TSTD3 protein

Catalog Number: ATGP2192

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-97aa

### UniProt No.

H0UI37

### NCBI Accession No.

NP\_001182060

### Alternative Names

Thiosulfate sulfurtransferase/rhodanese-like domain-containing protein 3, Thiosulfate sulfurtransferase/rhodanese-like domain-containing protein 3,

## PRODUCT SPECIFICATION

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### Molecular Weight

13.7 kDa (120aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

### Purity

> 90% 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

TSTD3 contains 1 rhodanese domain that is characterized by an active site cysteine residue that is able to bind sulfane sulfur and catalyse sulfur transfer. Recombinant human TSTD3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMKIEKCG WSEGLTSIKG NCHNFYTAIS KDVTYKELKN LLNSKNIMLI DVREIWEILE

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YQKIPESINV PLDEVGEALQ MNPRDFKEKY NEVKPSKSDS

## General References

Mungall A.J., Palmer S.A., et al. (2003) Nature 425:805-811

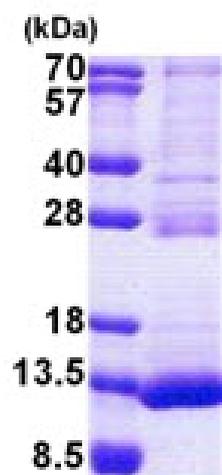
Prat L., et al. (2012) FEBS J. Aug

279(15):2754-67.

## DATA

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### SDS-PAGE



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

15% SDS-PAGE (3ug)