Recombinant human TSTD1 protein

Catalog Number: ATGP0950

PRODUCT INFORMATION

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

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

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.

Amino acid Sequence

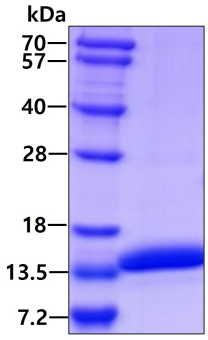
<MGSSHHHHHH SSGLVPRGSH> MAGAPTVSLP ELRSLLASGR ARLFDVRSRE EAAAGTIPGA LNIPVSELES ALQMEPAAFQ ALYSAEKPKL EDEHLVFFCQ MGKRGLQATQ LARSLGYTGA RNYAGAYREW LEKES

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

SDS-PAGE



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