Recombinant human Thioredoxin-like 5/TRP14 protein

Catalog Number: ATGP1450

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-123aa

UniProt No.
Q9BRA2

NCBI Accession No.
NP_116120

Alternative Names
Thioredoxin domain-containing protein 17, TRP14, TXNL5

PRODUCT SPECIFICATION

Molecular Weight
16.5 kDa (147aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by BCA assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.05M 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
TXNDC17, also known as thioredoxin domain-containing protein 17, is disulfide reductase. This protein may participate in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyze dithiol-disulfide exchange reactions. TXNDC17 has peroxidase activity and may contribute to the elimination of cellular hydrogen peroxide. Recombinant human TXNDC17 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

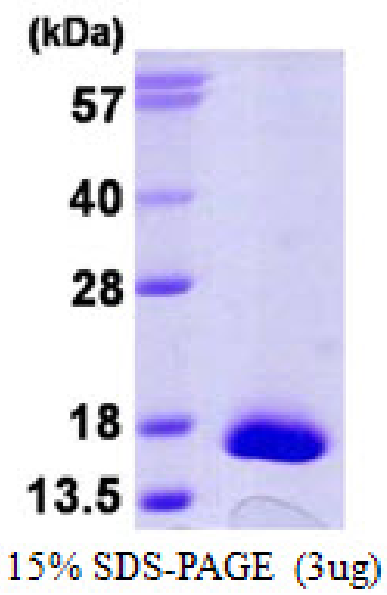
MGSSHHHHHH SSGLVPRGSH MGSHMARYEE VSVSGFEEFH RAVEQHNGKT IFAYFTGSKD AGGKSWCPDC VQAEPVVREG LKHISEGCVF IYCQVGEKPY WKDPNNDFRK NLKVTAVPTL LKYGTPQKLV ESECLQANLV EMLFSED

General References

Jeong W., et al. (2004) J. Biol. Chem. 279:3142-3150
Jeong W., et al. (2004) J. Biol. Chem. 279:3151-3159

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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