

AR50275PU-S

Human TXNDC17 / TXNL5 (1-123, His-tag) - Purified

Alternate names:

14 kDa thioredoxin-related protein, Protein 42-9-9, TRP14, Thioredoxin domain-containing protein 17, Thioredoxin-like protein 5

Quantity:

0.1 mg

Concentration:

1 mg/ml (determined by BCA assay)

Background:

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.

Uniprot ID:

[Q9BRA2](#)

NCBI:

[NP_116120.1](#)

GeneID:

[84817](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.05M NaCl

Description:

Recombinant human TXNDC17 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSMMARYEE VSVSGFEEFH RAVEQHNGKT IFAYFTGSKD
AGGKSWCPDC VQAEPVVREG LKHISEGCVF IYCQVGEKPY WKDPNNDFRK NLKVTAVPTL
LKYGTPQKLK ESECLQANLV EMLFSED

Molecular weight: 16.5 kDa (147aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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

Pictures:

