

## TXNDC17 Human

**Description:**TXNDC17 Human Recombinant produced in E. coli is a single polypeptide chain containing 147 amino acids (1-123) and having a molecular mass of 16.5kDa. TXNDC17 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:**PRPS-1062

For research use only.

**Synonyms:**Thioredoxin domain containing 17, Thioredoxin-like protein 5, Protein 42-9-9, thioredoxin (Trx)-related protein 14 kDa, TRP14, TXNL5, MGC14353.

**Source:**E.coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSHMARYEE VSVSGFEEFH  
RAVEQHNGKT IFAYFTGSKD AGGKSWCPDC VQAEPVVREG LKHISEGCVF IYCQVGEKPY  
WKDPNDFRK NLKVTAVPTL LKYGTPQKLV ESECLQANLV EMLFSED

**Purity:**Greater than 95% as determined by SDS-PAGE.

### Formulation:

The TXNDC17 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 50mM NaCl and 10% glycerol.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

TXNDC17 is a disulfide reductase that takes part in several redox reactions using the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions. TXNDC17 has peroxidase activity and assists to eliminate cellular hydrogen peroxide.

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