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### Recombinant human TXNDC12 protein

Catalog Number: ATGP1591

#### **PRODUCT INFORMATION**

#### **Expression system**

E.coli

#### **Domain**

27-172aa

#### UniProt No.

095881

#### **NCBI Accession No.**

NP 056997

#### **Alternative Names**

Thioredoxin domain-containing protein 12, AG1; AGR1; ERP18; ERP19; hAG-1; PDIA16; TLP19

#### **PRODUCT SPECIFICATION**

#### **Molecular Weight**

20.8 kDa (184aa) confirmed by MALDI-TOF

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

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

#### **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**

#### **Description**

TXNDC12 belongs to the thioredoxin super family. Members of this super family possess a thioredoxin fold with a consensus active-site sequence (CxxC) and have roles in redox regulation, defense against oxidative stress, refolding of disulfide-containing proteins, and regulation of transcription factors. Recombinant human TXNDC12 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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## **Recombinant human TXNDC12 protein**

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### **Amino acid Sequence**

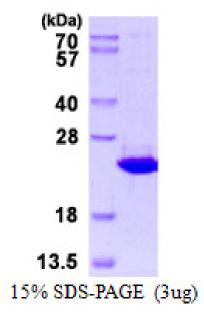
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMHN GLGKGFGDHI HWRTLEDGKK EAAASGLPLM VIIHKSWCGA CKALKPKFAE STEISELSHN FVMVNLEDEE EPKDEDFSPD GGYIPRILFL DPSGKVHPEI INENGNPSYK YFYVSAEQVV QGMKEAQERL TGDAFRKKHL EDEL

#### **General References**

Alanen HI., et al. (2003). J. Biol. Chem. 278 (31): 28912-20.

### **DATA**

#### **SDS-PAGE**



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

