

**TXNDC12, 27-172aa, Human, His tag, E.coli**

**Cat.NO.: TP04355**

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3th Edition

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

**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.

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

**Molecular Weight:** 20.8 kDa (184aa) confirmed by MALDI-TOF

**Sequences:**

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSHMHNGLGKGFGDHIHWRTLEDGKKEAAASGLPLMVI  
IHKSWCGACKALKPKFAESTEISELSHNFVMVNLEDEEPEKDEDFSPDGGYIPRILFLDPSGKVHPEIINENGNPSYK  
YFYVSAEQVVQGMKEAQERLTGDAFRKKHLEDEL

**Purity:** > 95% by HPLC

**Concentration:** 0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.