

## 32-5165: Recombinant Human Thioredoxin Domain Containing 12

**Alternative Name :** Thioredoxin domain containing 12 (endoplasmic reticulum), Endoplasmic reticulum resident protein 18, Endoplasmic reticulum resident protein 19, endoplasmic reticulum thioredoxin superfamily member 18 kDa, thioredoxin domain-containing protein 12, pro

### Description

Source : E.coli. TXNDC12 Human Recombinant produced in E. coli is a single polypeptide chain containing 184 amino acids (27-172) and having a molecular mass of 20.8 kDa. TXNDC12 is fused to a 38 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. TXNDC12 is a member of the thioredoxin super family. This Family members have a thioredoxin fold with a consensus active-site sequence (CxxC) and take part in redox regulation, protection against oxidative stress, refolding of disulfide-containing proteins, and regulation of transcription factors.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** The TXNDC12 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMHN GLGKGFGDHI HWRTLEDGKK EAAASGLPLM VIIHKS WC GA CKALKPKFAE STEISELSHN FVMVNLEDEE EPKDEDFSPD GGYIPRILFL DPSGKVHPEI INENG NPSYK YFYVSAEQVV QGMKEAQERL TGDAFRKKHL EDEL

