

## 32-5167: Recombinant Human Thioredoxin-Like 1

**Alternative Name :** Thioredoxin-like protein 1,TRP32,Txl,32 kDa thioredoxin-related protein,TXNL,Thioredoxin-like 32kDa,TXL-1.

### Description

Source : Escherichia Coli. TXNL1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 309 amino acids (1-289.a.a) and having a molecular mass of 34.4kDa. TXNL1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. TXNL1 is a cytoplasmic protein which takes part in endocytotic signaling pathways and acts as a redox sensor. TXNL1 is universally expressed in the body and its goal is to couple oxidative stress to endocytosis, thereby regulating the GDI. Moreover, overexpression of TXNL1 inhibits cell proliferation by predisposing the cell to G0/G1 arrest, signifying that TXNL1 also functions as a transcriptional repressor.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** The TXNL1 protein solution (0.5mg/1ml) is formulated in 20 mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 5mM DTT and 20% 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.Please avoid freeze thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MVGVKPVGSD PDFQPELSGA GSRLAVVKFT MRGCGPCLRI  
APAFSSMSNK YPQAVFLEVD VHQCQGTAAT NNISATPTFL FFRNKVRIDQ YQGADAVGLE EKIKQHLEND  
PGSNEDTDIP KGYMDLMPFI NKAGCECLNE SDEHGFDNCL RKDITTFLESD CDEQLLITVA FNQPVKLYSM  
KFQGPDNGQG PKYVKIFINL PRSMDFEEAE RSEPTQALEL TEDDIKEDGI VPLRYVKFQN VNSVTIFVQS  
NQGEETTRI SYFTFIGTPV QATNMNDFKR VVGKKGESH