

## TXNL1 Human

**Description:**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.

**Catalog #:**PRPS-091

**Synonyms:**Thioredoxin-like protein 1, TRP32, Tx1, 32 kDa thioredoxin-related protein, TXNL, Thioredoxin-like 32kDa, TXL-1.

For research use only.

**Source:**Escherichia Coli.

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

**Amino Acid Sequence:**MGSSHHHHH SSGLVPRGSH MVGVKPVGSD PDFQPELSGA  
GSRLAVVKFT MRGCGPLRI APAFSSMSNK YPQAVFLEVD VHQCQGTAAAT NNISATPTFL  
FFRNKVRIDQ YQGADAVGLE EKIKQHLEND PGSNEDTDIP KGYMDLMPFI NKAGCECLNE  
SDEHGFDNCL RKDTTFLESD CDEQLLITVA FNQPVKLYSM KFQGPDNGQG PKYVKIFINL  
PRSMDFEEAE RS

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

### Formulation:

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.

### Usage:

NeoBiolabs 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:

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.

### Storage:

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.

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