

# Recombinant human TXNL4B protein

Catalog Number: ATGP1090

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-149aa

### UniProt No.

Q9NX01

### NCBI Accession No.

NP\_060323

### Alternative Names

thioredoxin-like 4B, Dim2, DLP, FLJ20511

## PRODUCT SPECIFICATION

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### Molecular Weight

21.1 kDa (185aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 100mM NaCl

### 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

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### Description

TXNL4B, also known as Dim2 or DLP, belongs to the DIM1 family that plays an essential role in pro-mRNA splicing. TXNL4B is required in cell cycle progression for S/G2 transition and interact with PRPF6 subunit of the spliceosome. Recombinant human TXNL4B protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMSFL LPKLTSSKEV DQAIKSTAEK VLVLRFGRDE

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DPVCLQLDDI LSKTSSDLSK MAAIYLVDVD QTAVYTQYFD ISYIPSTVFF FNGQHMKVDY GSPDHTKFVG SFKTKQDFID  
LIEVIYRGAM RGKLIVQSPI DPKNIPKYDL LYQDI

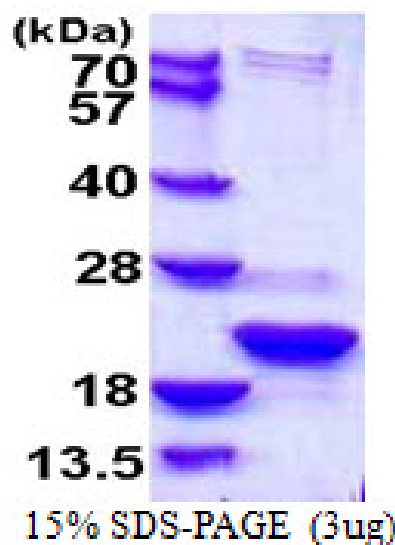
## General References

Sun X., et al. (2004) J Biol Chem 279 (31): 32839-47.

Zhang YZ., et al. (2001) Physiol. Genomics 1 (3): 109-18.

## DATA

### SDS-PAGE



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