# **PRODUCT INFORMATION**

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**

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

#### 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 LPKLTSKKEV DQAIKSTAEK VLVLRFGRDE



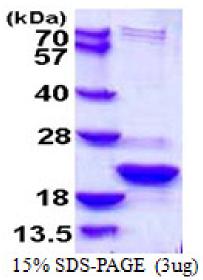
DPVCLQLDDI LSKTSSDLSK MAAIYLVDVD QTAVYTQYFD ISYIPSTVFF FNGQHMKVDY GSPDHTKFVG SFKTKQDFID LIEVIYRGAM RGKLIVQSPI DPKNIPKYDL LYQDI

#### **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.