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



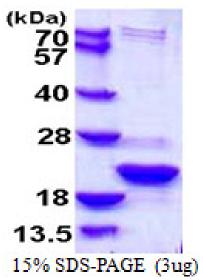
DPVCLQLDDI LSKTSSDLSK MAAIYLVDVD QTAVYTQYFD ISYIPSTVFF FNGQHMKVDY GSPDHTKFVG SFKTKQDFID LIEVIYRGAM RGKLIVQSPI DPKNIPKYDL LYQDI

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.