TXNL4A, 1-142aa, Human, His tag, E.coli

Cat.NO.: TP04358

3th Edition

Synonyms: Thioredoxin-like 4A, DIB1, DIM1, HsT161, TXNL4, U5-15kD

Description: Thioredoxin-like 4A, also known as TXNL4A, belongs to the Dim protein family. TXNL4A is a 142 amino acid protein that plays an essential role in pre-mRNA splicing. Due to a failure to express early zygotic transcripts, deletion of the gene encoding TXNL4A in Schizosaccharomyces pombe leads to embryonal lethality during gastrulation. Localized to the nucleus, TXNL4A interacts with hnRNP F, hnRNP H2, Cas-L and PQBP-1 to effect gene expression. Recombinant human TXNL4A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT

Molecular Weight:19.3 kDa (166aa), confirmed by MALDI-TOF

Sequences:
MGSSHHHHHHSSGLVPRGSHMGSHMSYMLPHLHNGWQVDQAILSEEDRVVVIRFGHDWDPTCMKMDEVLYSIA
EKVKNFAVIYLVDITEVPDFNKMYELYDPCTVMFFFRNKHIMIDLGTGNNNKINWAMEDKQEMVDIIETVYRGARKG
RGLVVSPKDYSTKYRY

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.