

Recombinant Human Thioredoxin-like 4A, His-tagged

Cat. No. TXNL4A-6772H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	. Recombinant humanTXNL4A protein, fused to His-tag at N-terminus, was expressed in E.coli andpurified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	Thioredoxin-like 4A,also known as TXNL4A, belongs to the Dim protein family. TXNL4A is a 142amino acid protein that plays an essential role in pre-mRNA splicing. Due to a failure to express early zygotic transcripts, deletion of the gene encodingTXNL4A in Schizosaccharomyces pombe leads to embryonal lethality duringgastrulation. Localized to the nucleus, TXNL4A interacts with hnRNP F, hnRNPH2, Cas-L and PQBP-1 to effect gene expression
Form	Liquid. In 20mMTris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT
Molecular Weight	19.3 kDa (166aa),confirmed by MALDI-TOF
Purity	> 95% by SDS -PAGE
Concentration	0.5 mg/ml(determined by Bradford assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MGSMSYMLP HLHNGWQVDQ AILSEEDRVV VIRFGHDWDP TCMKMDEVLY SIAEKVKNFAYIYLV DITEV PDFNKMYYLY

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DPCTVMFFFR NKHIMIDLGT GNNNKINWAM EDKQEMVDII
ETVYRGARKGRGLVVSPKDY STKYRY

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.

GENE INFORMATION

Gene Name TXNL4A thioredoxin-like 4A [Homo sapiens]

Official symbol TXNL4A

Synonyms

thioredoxin-like4A; Spliceosomal U5 snRNP-specific 15 kDa protein; DIM1; Thioredoxin-like U5snRNP protein U5-15kD; DIB1; TXNL4; HsT161; DIM1 protein homolog; U5-15kD; thioredoxin-like protein 4A; thioredoxin-like 4

Gene ID 10907

mRNA Refseq NM_006701

Protein Refseq NP_006692

MIM 611595

Uniprot ID P83876

Chromosome Location 18q23

Pathway

Formation and Maturation of mRNA Transcript, organism-specific biosystem;
Gene Expression, organism-specific biosystem; Processing of Capped Intron-

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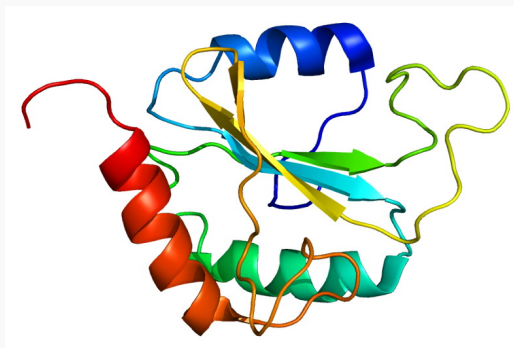
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Containing Pre-mRNA, organism-specific biosystem; Spliceosome, organism-specific biosystem; Spliceosome, conserved biosystem; mRNA Processing, organism-specific biosystem

Function protein binding

PDB rendering based on 1pqn



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