

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 toa 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 PDFNKMYYELY

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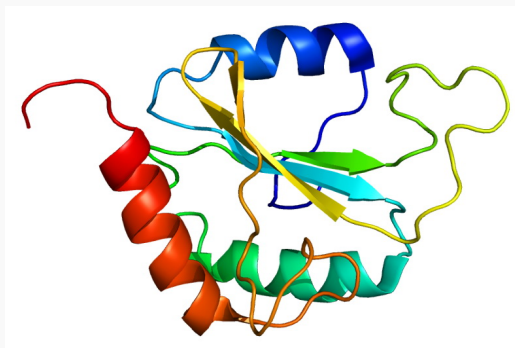
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Containing Pre-mRNA, organism-specific biosystem; Spliceosome, organism-specific biosystem; Spliceosome, conserved biosystem; mRNA Processing, organism-specific biosystem

Function protein binding

PDB rendering based on 1pqn



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