

AR50363PU-N**Human TXNL4A / DIM1 (1-142, His-tag) - Purified**

Alternate names:	DIM1 protein homolog, Spliceosomal U5 snRNP-specific 15 kDa protein, Thioredoxin-like U5 snRNP protein U5-15kD, Thioredoxin-like protein 4A
Quantity:	0.25 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	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 <i>Schizosaccharomyces pombe</i> 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.
Uniprot ID:	P83876
NCBI:	NP_006692.1
GeneID:	10907
Species:	Human
Source:	<i>E. coli</i>
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT
Description:	Recombinant human TXNL4A protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHHH SSGLVPRGSH MGSMSYMLP HLHNGWQVDQ AILSEEDRVV VIRFGHDWDP TCMKMDEVLY SIAEKVKNFA VIYLV DITEV PDFNKMYELY DPCTVMFFFR NKHIMIDLGT GNNKINWAM EDKQEMVDII ETVYRGARKG RGLVVSPKDY STKYRY Molecular weight: 19.3 kDa (166aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Zhang Y Z., et al. (1999) <i>Physiol Genomics</i> . 1:109-118. Zhang Y Z., et al. (2000) <i>Gene</i> . 257: 33-43.

Pictures:

