

## Datasheet for ABIN7317235 **TXNL4B Protein (His tag)**



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### Overview

Quantity:	100 µg
Target:	TXNL4B
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TXNL4B protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Dim2/TXNL4B Protein (His Tag)
Sequence:	Met 1-Ile 149
Characteristics:	A DNA sequence encoding the human TXNL4B (Q9NX01) (Met 1-Ile 149) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 92 % as determined by reducing SDS-PAGE.

### Target Details

Target:	TXNL4B
Alternative Name:	Dim2/TXNL4B ( <a href="#">TXNL4B Products</a> )
Background:	Background: Dim2, also known as TXNL4B, is a member of the DIM1 family. The Dim protein family is composed of two classes, Dim1 and Dim2, which share a common thioredoxin-like fold. They were originally identified for their role in cell cycle progression and have been found to interact with Prp6, an essential component of the spliceosome, which forms the bridge of

## Target Details

U4/U6.U5-tri-snRNP. In spite of their biological and structural similarities, Dim1 and Dim2 proteins differ in many aspects. Dim1 bears distinctive structural motifs responsible for its interaction with other spliceosome components. Dim2 forms homodimers and contains specific domains required for its interactions with partners. This originality suggests that although both proteins are involved in pre-mRNA splicing, they are likely to be involved in different biological pathways. Dim2 reduced in E.Coli is a single, non-glycosylated polypeptide chain containing 185 amino acids and having a molecular mass of 21.1kDa. It is fused to a 36 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Dim2 has a vital role in pro-mRNA splicing. Dim2 is required in cell cycle progression for S/G2 transition and interacts with PRPF6 subunit of the spliceosome.

Synonym: Dim2;DLP

Molecular Weight:	19 kDa
UniProt:	<a href="#">Q9NX01</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, 20 % glycerol, 0.1 % Tween20, 50 mM Arg, pH 7.5
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.