

## 32-5168: Recombinant Human Thioredoxin-Like 4A

**Alternative Name :** Thioredoxin-like 4A, Spliceosomal U5 snRNP-specific 15 kDa protein, DIM1 protein homolog, HsT161, TXNL4, DIB1, U5-15kD.

### Description

Source : E.coli. TXNL4A Human Recombinant produced in E. coli is a single polypeptide chain containing 166 amino acids (1-142) and having a molecular mass of 19.3kDa. TXNL4A is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. TXNL4A is a member of the Dim protein family and has a vital part in pre-mRNA splicing. As a result of a failure to express early zygotic transcripts, deletion of the gene encoding TXNL4A in *Schizosaccharomyces pombe* results in embryonal lethality during gastrulation. Restricted to the nucleus, TXNL4A cooperates with hnRNP F, hnRNP H2, Cas-L and PQBP-1 to influence gene expression.

### Product Info

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| <b>Amount :</b>            | 10 µg  |
| <b>Purification :</b>      | Greater than 95% as determined by SDS-PAGE.  |
| <b>Content :</b>           | The TXNL4A solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 200mM NaCl and 20% glycerol.  |
| <b>Storage condition :</b> | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. |
| <b>Amino Acid :</b>        | MGSSHHHHHH SGLVPRGSH MGSMSYMLP HLHNGWQVDQ AILSEEDRVV VIRFGHDWDP<br>TCMKMDEVLY SIAEKVKNFA VIYLV DITEV PDFNKMYELY DPCTVMFFFR NKHIMIDLGT<br>GNNKINWAM EDKQEMVDII ETVYRGARKG RGLVVSPKDY STKYRY   |

