
Product Data Sheet

Product Name: TXNL4A Human
 Cat. No.: GP24929
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Thioredoxin-like 4A; Spliceosomal U5 snRNP-specific 15 kDa protein; DIM1 protein homolog; HsT161; TXNL4; DIB1; U5-15kD.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSYMLP HLHNGWQVDQ AILSEEDRVV VIRFGHDWDP TCMKMDEVLY SIAEKVKNFA VIYLV DITEV PDFNKMYELY DPCTVMFFFR NKHIMIDLGT GNNKINWAM EDKQEMVDII ETVYRGARKG RGLVVSPKDY STKYRY		
Formulation	The TXNL4A solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 200mM NaCl and 20% glycerol.		

Introduction

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.

Stability

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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