

TXNL4A Human

Description: 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.

Catalog #: PRPS-1107

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

For research use only.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSMSYMLP HLHNGWQVDQ
AILSEEDRVV VIRFGHDWDP TCMKMDEVLY SIAEKVNFA VIYLV DITEV PDFNKMYELY
DPCTVMFFFR NKHIMIDLGT GNNKINWAM EDKQEMVDII ETVYRGARKG RGLVVSPKDY
STKYRY

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:

The TXNL4A solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 200mM NaCl and 20% glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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