

## Recombinant Human TXNL4A protein(Met1-Tyr142), His-tagged

**Cat. No.** TXNL4A-462H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TXNL4A (P83876) (Met 1-Tyr 142) was expressed in E. coli, with a polyhistidine tag at the N-terminus.                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Met1-Tyr142                                                                                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized from sterile 50mM Tris, 150mM NaCl, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                |
| <b>Molecular Mass</b>   | The recombinant human TXNL4A consists of 157 amino acids and has a calculated molecular mass of 18.6KDa. It migrates as an approximately 16 kDa band in SDS-PAGE under reducing conditions.                                                     |
| <b>Purity</b>           | > 94 % as determined by SDS-PAGE                                                                                                                                                                                                                |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of                                                                                                                                                        |

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                   |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TXNL4A thioredoxin-like 4A [ Homo sapiens ]                                                                                                                                                                                                                                                       |
| <b>Official Symbol</b> | TXNL4A                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>        | TXNL4A; thioredoxin-like 4A; thioredoxin like 4 , TXNL4; thioredoxin-like protein 4A; DIB1; DIM1; HsT161; similar to S. pombe dim1+; U5 15kD; thioredoxin-like 4; DIM1 protein homolog; thioredoxin-like U5 snRNP protein U5-15kD; spliceosomal U5 snRNP-specific 15 kDa protein; TXNL4; U5-15kD; |
| <b>Gene ID</b>         | 10907                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_006701                                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>  | NP_006692                                                                                                                                                                                                                                                                                         |
| <b>MIM</b>             | 611595                                                                                                                                                                                                                                                                                            |
| <b>UniProt ID</b>      | P83876                                                                                                                                                                                                                                                                                            |

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