

# Recombinant Human TXNL4B protein, GST-tagged

**Cat. No.** TXNL4B-3504H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TXNL4B protein(1-149 aa), fused with N-terminal GST tag, was expressed in E.coli.                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 1-149 aa                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. |
| <b>AASequence</b>       | MSFLLPKLTSKKEVDQAIKSTA EKVLVLRFG RDEDPVCLQLDDILSKTSSDLSKMAAI<br>YLV DVDQTAVYTQYFDISYIPSTVFFFNGQHMKVDYGSPDHTK FVGSFKTKQDFIDLI<br>EVIYRGAMRGKLIVQSPIDPKNIPKYDLLYQDI                                                                                                                                          |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                   |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.                                                                                                      |
| <b>Reconstitution</b>   | Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25                                                                                                                                                                                                                    |

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g/μl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

## GENE INFORMATION

|                 |                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------|
| Gene Name       | TXNL4B thioredoxin-like 4B [ Homo sapiens ]                                                       |
| Official Symbol | TXNL4B                                                                                            |
| Synonyms        | TXNL4B; thioredoxin-like 4B; thioredoxin-like protein 4B; Dim2; DLP; FLJ20511; Dim1-like protein; |
| Gene ID         | 54957                                                                                             |
| mRNA Refseq     | NM_001142317                                                                                      |
| Protein Refseq  | NP_001135789                                                                                      |
| UniProt ID      | Q9NX01                                                                                            |

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