

## Taxilin Alpha Recombinant Protein | TXLNa recombinant protein

Recombinant Taxilin Alpha (TXLNa)

|                               |                        |                            |                                               |
|-------------------------------|------------------------|----------------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA144317</b> | HOST<br><b>E. coli</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|------------------------|----------------------------|-----------------------------------------------|

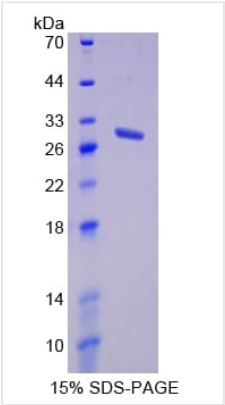
### PRODUCT SYNONYMS

Taxilin Alpha; Recombinant Taxilin Alpha (TXLNa); TXLNa recombinant protein

### PRODUCT SPECIFICATIONS

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                  | E. coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Reactivity                                            | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purity/Purification                                   | >98%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Form/Format                                           | 100mM NaHCO <sub>3</sub> , 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Concentration                                         | Original Concentration: 200µg/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Applicable Applications for TXLNa recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Source                                                | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Residues                                              | Lys328~Glu531                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Tags                                                  | N-terminal His-Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Tissue Specificity                                    | Heart Kidney Pancreas Brain                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Traits                                                | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Predicted isoelectric point                           | 7.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Predicted Molecular Mass                              | 27.4kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Accurate Molecular Mass                               | 33kDa as determined by SDS-PAGE reducing conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Phenomenon explanation                                | <p>The possible reasons that the actual band size differs from the predicted are as follows:</p> <ol style="list-style-type: none"> <li>1. Splice variants: Alternative splicing may create different sized proteins from the same gene.</li> <li>2. Relative charge: The composition of amino acids may affects the charge of the protein.</li> <li>3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.</li> <li>4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.</li> <li>5. Polymerization of the target protein: Dimerization, multimerization etc.</li> </ol> |
| Usage                                                 | Reconstitute in 100mM NaHCO <sub>3</sub> , 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Preparation and Storage                               | <p><b>Storage:</b> Avoid repeated freeze/thaw cycles.<br/>Store at 2-8°C for one month.<br/>Aliquot and store at -80°C for 12 months.</p> <p><b>Stability Test:</b> The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.</p>                                                                                                                                                               |

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

|                                  |               |
|----------------------------------|---------------|
| NCBI GI #                        | 74355476      |
| NCBI GeneID                      | 200081        |
| NCBI Official Full Name          | Taxilin alpha |
| NCBI Official Synonym Full Names | taxilin alpha |
| NCBI Official Symbol             | TXLNA         |
| NCBI Official Synonym Symbols    | IL14; TXLN    |
| NCBI Protein Information         | alpha-taxilin |
| UniProt Protein Name             | Alpha-taxilin |
| UniProt Gene Name                | TXLNA         |
| UniProt Synonym Gene Names       | TXLN          |
| UniProt Entry Name               | TXLNA_HUMAN   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/txlna-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/144317>