

## Recombinant Human TXLNA Protein (His Tag)

**Catalog Number:** PKSH033255

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

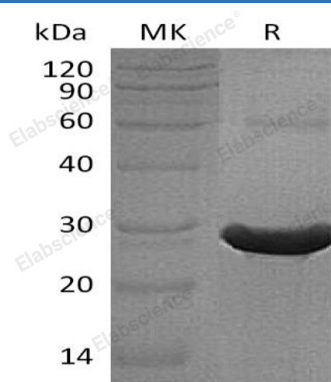
### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human TXLNA protein Met 1-Lys 162, with an N-terminal His & C-terminal His
<b>Calculated MW</b>	20.4 kDa
<b>Observed MW</b>	30 kDa
<b>Accession</b>	P40222
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

$\alpha$ -Taxilin belongs to the taxilin family.  $\alpha$ -Taxilin exists in almost all tissues, with higher expression levels observed in the heart, kidney, liver, and pancreas.  $\alpha$ -Taxilin binds to the C-terminal coiled coil region of syntaxin family members STX1A, STX3A, and STX4A, but not when these proteins are complexed with SNAP25, VAMP2 or STXBP1, suggesting that it interacts with syntaxins that do not form the SNARE complex. It is shown that  $\alpha$ -Taxilin plays multiple roles in the generation and maintenance of neurons through modulation of the NAC-mediated translational machinery and/or the syntaxin-mediated vesicle traffic in the soma. In addition,  $\alpha$ -Taxilin may be involved in intracellular vesicle traffic and potentially in calcium-dependent exocytosis in neuroendocrine cells.

### For Research Use Only

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