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## Datasheet for ABIN7319208 **alpha Taxilin Protein (His tag)**

### Overview

Quantity:	50 µg
Target:	alpha Taxilin (TXLNA)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This alpha Taxilin protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human TXLNA Protein (His Tag)
Sequence:	Met 1-Lys162
Characteristics:	Recombinant Human alpha-Taxilin is produced by our E.coli expression system and the target gene encoding Met1-Lys162 is expressed with a 6His tag at the N-terminus, 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	alpha Taxilin (TXLNA)
Alternative Name:	TXLNA ( <a href="#">TXLNA Products</a> )
Background:	Background: α-Taxilin belongs to the taxilin family. α-Taxilin exists in almost all tissues, with higher expression levels observed in the heart, kidney, liver, and pancreas. α-Taxilin binds to the

## Target Details

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.

Synonym: Alpha-Taxilin, TXLNA, TXLN

Molecular Weight: 20.4 kDa

UniProt: [P40222](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2  $\mu$ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: 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.