

## Recombinant Human TXLNA, His-tagged

**Cat. No.** TXLNA-27H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human $\alpha$ -Taxilin/TXLNA is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Met1-Ala546) of Human TXLNA fused with a 6His tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-546 a.a.
<b>Description</b>	$\alpha$ -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.
<b>AA Sequence</b>	MKNQDKKNGAAKQSNPKSSPGQPEAGPEGAQERPSQAAPAVEAEGPGSSQAPRK PEGAQARTAQS GALRDVSEELSRQLEDILSTYCVDDNNQGGPGEDGAQGEPAEPED AEKSRTYVARNGEPEPTPVVN GEKEPSKGDPNTEEIRQSDEVGDRDHRRPQEKKK

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AKGLGKEITLLMQTLNLTSTPEEKLAALCKK YAEELLEHRNSQKQMKLLQKKQSQLV  
 QEKDHLDCGEHSKAVLARSKLESLSRELQRHNRSLSKEEGV QRAREEEEEKRKEVTSH  
 FQVTLNDIQLQMEQHNERNSKLRQENMELAERLKKLIEQYELREEHIDK VFKHKDLQ  
 QQLVDAKLQQAQEMLKEAEERHQREKDFLLKEAVESQRMCELMKQQETHLKQQLA  
 LY TEKFEFQNTLSKSSEVFTTFKQEMEKMTKKIKKLEKETTMYRSRWESSNKALLE  
 MAEKTVRDK ELEGLQVKIQRLEKLCRALQTERNDLNKRVDLSAGGQGSALTDSG  
 PERRPEGPGAQAPSSPRVTE APCYPGAPSTEASGQTGPQEPTSARAVDHHHHHHH

**Endotoxin** Less than 0.1 ng/μg (1 IEU/μg).

**Purity** Greater than 95% as determined by reducing SDS-PAGE.

## GENE INFORMATION

**Gene Name** [TXLNA taxilin alpha \[ Homo sapiens \]](#)

**Official Symbol** TXLNA

**Synonyms** TXLNA; taxilin alpha; alpha-taxilin; DKFZp451J0118; interleukin 14; IL14; TXLN;  
 RP4-622L5.4; MGC118870; MGC118871;

**Gene ID** [200081](#)

**mRNA Refseq** [NM\\_175852](#)

**Protein Refseq** [NP\\_787048](#)

**MIM** [608676](#)

**UniProt ID** [P40222](#)

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<b>Chromosome Location</b>	1p35
<b>Pathway</b>	TNF-alpha/NF-kB Signaling Pathway, organism-specific biosystem;
<b>Function</b>	cytokine activity; high molecular weight B cell growth factor receptor binding;

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