

Recombinant Human TXLNA, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human α -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.
Species	Human
Source	HEK293
ProteinLength	1-546 a.a.
Description	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 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 α -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, α -Taxilin may be involved in intracellular vesicle traffic and potentially in calcium-dependent exocytosis in neuroendocrine cells.
AA Sequence	MKNQDKKNGAAKQSNPKSSPGQPEAGPEGAQERPSQAAPAVEAEGPGSSQAPRK PEGAQARTAQS GALRDVSEELSRQLEDILSTYCVDNNQGGPGEDGAQGEPAPED AEKSRTYVARNGEPEPTPVVN GEKEPSKGDPNTEEIRQSDEVGDRDHRRPQEKKK

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AKGLGKEITLLMQTLNTLSTPEEKLAALCKK YAELEEHRNSQKQMKLLQKKQSQLV
 QEKDHLGCEHSKAVLARSKLESLCRELQRHNRSLKEEGV QRAREEEERKEVTSH
 FQVTLNDIQLQMEQHNERNSKLRQENMELAERLKKLIEQYELREEHIDK VFKHKDLQ
 QQLVDAKLQQAQEMLKEAEERHQREKDFLLKEAVESQRMCELMKQQETHLKQQLA
 LY TEKFEFQNTLSKSSEVFTTFKQEMEKMTKKIKKLEKETTMYRSRWESSNKALLE
 MAEEKTVRDK ELEGQLVKIQRLEKLCRALQTERNDLNKRVQDLSAGGQGS�TDSG
 PERRPEGPGAQAPSSPRVTE APCYPGAPSTEASGQTGPQEPTSARAVDHHHHHH

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

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