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Recombinant Human TXLNA

Catalog#:P02017 Derived from *E.coli*

DESCRIPTION	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. **Accession#**: P40222 **Known as**: Alpha-Taxilin; TXLNA; TXLN
FORMULATION	Lyophilized from a 0.2μm filtered solution of PBS, pH 7.4.
SHIPPING	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
STORAGE	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
RECONSTITUTION	*Always centrifuge tubes before opening. Do not mix by vortex or pipetting.* *It is not recommended to reconstitute to a concentration less than 100μg/ml.* Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
QUALITY CONTROL	**Mol Mass**:20.4kDa **AP Mol Mass**:30kDa, reducing conditions. **Purity**: Greater than 95% as determined by reducing SDS-PAGE. **Endotoxin**: Less than 0.1ng/μg (1 EU/μg) as determined by LAL test.
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 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 machinary 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.
SDS-PAGE