

Recombinant Human TXLNA Protein (His Tag)

Catalog No. PKSH033255

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

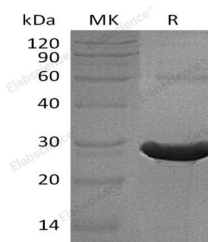
Description

Synonyms	Alpha-Taxilin;TXLNA;TXLN
Species	Human
Expression Host	E.coli
Sequence	Met 1-Lys162
Accession	P40222
Calculated Molecular Weight	20.4 kDa
Observed molecular weight	30 kDa
Tag	N-His & C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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

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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.