



Recombinant Protein Technical Manual

Recombinant Human TXLNA Protein (His Tag)

RPES3326

Product Data:

Product SKU: RPES3326

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P40222

Protein Information:

Molecular Mass: 20.4 kDa

AP Molecular Mass: 30 kDa

Tag: N,C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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 20mM PB, 150mM NaCl, pH7.4.

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

Application:

Synonyms: Alpha-Taxilin; TXLNA; TXLN

Immunogen Information:

Sequence: Met 1-Lys162

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 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.