



Recombinant Protein Technical Manual

Recombinant Human NLGN4X Protein (His Tag)

RPES0279

Product Data:

Product SKU: RPES0279

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q8N0W4

Protein Information:

Molecular Mass: 72.5 kDa

AP Molecular Mass: 95 kDa

Tag: 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: Neuroligin-4 X-Linked; Neuroligin X; HNLX; NLGN4X; KIAA1260; NLGN4

Immunogen Information:

Sequence: Gln42-Ser676

Background:

Neurologin 4, X-Linked (NLGN4X) is a single-pass type I membrane protein that belongs to the type-B carboxylesterase/lipase family. NLGN4X is detected at higher levels in heart and at lower levels in the liver, skeletal muscle, and pancreas. NLGN4X is a putative neuronal cell surface protein involved in cell-cell interactions. NLGN4X may act as splice site-specific ligands for β -neurexins. It has been shown that NLGN4X is involved in the formation and remodeling of central nervous system synapses. NLGN4X also interacts with discs, large (*Drosophila*) homolog 4 (DLG4). Defects in NLGN4X have been associated with autism and Asperger syndrome.