

Datasheet for ABIN7317636

Neurologin 3 Protein (NLGN3) (His tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Neurologin 3 (NLGN3)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Neurologin 3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Neurologin-3/NLGN3 Protein (His Tag)
Sequence:	Met 1-Ser 689
Characteristics:	A DNA sequence encoding the human NLGN3 isoform 2 (Q9NZ94-2) extracellular domain (Met 1-Ser 689) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 92 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Neurologin 3 (NLGN3)
Alternative Name:	Neurologin-3/NLGN3 (NLGN3 Products)
Background:	Background: Neurologin 3 (NLGN3) is a member of the type-B carboxylesterase/lipase family. Neurologins (NLGNs) are a family of presumptive postsynaptic cell adhesion molecules. Neurologins (NLs) constitute a family of cell-surface proteins that interact with neurexins (beta-

Target Details

Nxs), another class of neuronal cell-surface proteins, one of each class functioning together in synapse formation. Neuroligins control the formation and functional balance of excitatory and inhibitory synapses in hippocampal neurons. NLGN1 and NLGN2 isoforms are concentrated at glutamatergic and GABAergic synapses, respectively, but the cellular expression and synaptic localization of the endogenous. NLGN3 was enriched in brain, where NLGN3 protein levels increased during postnatal development, coinciding with the peak of synaptogenesis. The NLGN3 is a synaptic adhesion molecule that is a shared component of glutamatergic and GABAergic synapses. Mutations in NLGN3 gene may be associated with autism and Asperger syndrome.

Synonym: HNL3

Molecular Weight: 74 kDa

Pathways: [Synaptic Membrane](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: 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.