

Recombinant Mouse Nlgn1 Protein, Myc/DDK-tagged

Cat. No. Nlgn1-4430M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length neuroligin 1 (Nlgn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Cell surface protein involved in cell-cell-interactions via its interactions with neurexin family members. Plays a role in synapse function and synaptic signal transmission, and probably mediates its effects by recruiting and clustering other synaptic proteins. May promote the initial formation of synapses, but is not essential for this. In vitro, triggers the de novo formation of presynaptic structures. May be involved in specification of excitatory synapses. Required to maintain wakefulness quality and normal synchrony of cerebral cortex activity during wakefulness and sleep.
Molecular Mass	94.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [NLgn1 neuroligin 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [NLgn1](#)

Synonyms NLGN1; neuroligin 1; neuroligin-1; NL1; BB179718; mKIAA1070; 6330415N05Rik; MGC107366

Gene ID [192167](#)

mRNA Refseq [NM_138666](#)

Protein Refseq [NP_619607](#)

UniProt ID [Q99K10](#)

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