

Recombinant Mouse NLGN1 Protein, His-tagged

Cat. No. NLGN1-900M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse NLGN1 isoform 1 (Q99K10-1) extracellular domain (Met 1-Ser 697) was expressed, with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	1-697 a.a.
Predicted N Terminal	Gln 46
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant mouse NLGN1 consists of 671 amino acids and predicts a molecular mass of 73.5 KDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmNLGN1 is approximately 100-110 KDa as a result of glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>97 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be

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aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

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

Official Symbol [NLGN1](#)

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

Gene ID [192167](#)

mRNA Refseq [NM_001163387](#)

Protein Refseq [NP_001156859](#)

MIM

UniProt ID

Pathway Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem;

Function cell adhesion molecule binding; neurexin family protein binding; neurexin family protein binding; protein dimerization activity; receptor activity; receptor activity;

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