

# Mouse Neuroligin 1/NLGN1 (His Tag) recombinant protein



Catalog Number: 501774

## General Information

### Protein Construction

A DNA sequence encoding the mouse NLGN1 isoform 1 (Q99K10-1) extracellular domain (Met 1-Ser 697) was expressed, with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Gln 46

### 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.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage

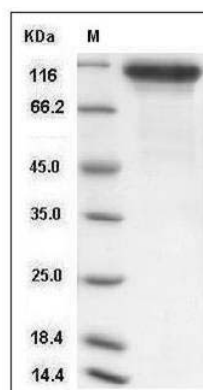
Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ .

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



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SDS-PAGE