

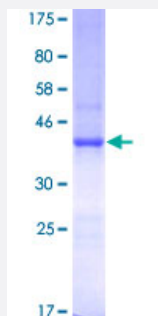
## Full-Length

# NLGN4Y (Human) Recombinant Protein (P01)

Catalog # H00022829-P01

Size 25 ug, 10 ug

## Applications



## Specification

|                                |                                                                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Human NLGN4Y full-length ORF ( AAH32567, 1 a.a. - 134 a.a.) recombinant protein with GST-tag at N-terminal.                              |
| <b>Sequence</b>                | MLPIWFTTSLDTLMTYVQDQNECLYLNIVPMEDGTNIKRNADDITSNDHGEDKDIHEQNSKKPV<br>MVIYHGGSYMEGTGNMIDGSILASYGNVIVITINYRLGILGMQEARLCGSSKMFNYFKSPFTNLINFF |
| <b>Host</b>                    | Wheat Germ (in vitro)                                                                                                                    |
| <b>Theoretical MW (kDa)</b>    | 40.48                                                                                                                                    |
| <b>Preparation Method</b>      | <a href="#">in vitro wheat germ expression system</a>                                                                                    |
| <b>Purification</b>            | Glutathione Sepharose 4 Fast Flow                                                                                                        |
| <b>Quality Control Testing</b> | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                                              |
| <b>Storage Buffer</b>          | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                 |
| <b>Storage Instruction</b>     | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                                          |
| <b>Note</b>                    | Best use within three months from the date of receipt of this protein.                                                                   |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — NLGN4Y

|                     |                                                                                                                                                                                                                                    |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">22829</a>                                                                                                                                                                                                              |
| GeneBank Accession# | <a href="#">BC032567</a>                                                                                                                                                                                                           |
| Protein Accession#  | <a href="#">AAH32567</a>                                                                                                                                                                                                           |
| Gene Name           | NLGN4Y                                                                                                                                                                                                                             |
| Gene Alias          | KIAA0951                                                                                                                                                                                                                           |
| Gene Description    | neuroligin 4, Y-linked                                                                                                                                                                                                             |
| Omim ID             | <a href="#">400028</a>                                                                                                                                                                                                             |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                          |
| Gene Summary        | Neuroligins, such as NLGN4Y, are cell adhesion molecules present at the postsynaptic side of the synapse and may be essential for the formation of functional synapses (Jamain et al., 2003 [Pub Med 12669065]).[supplied by OMIM] |
| Other Designations  | OTTHUMP00000034787 OTTHUMP00000034789 neuroligin 4, Y linked                                                                                                                                                                       |

## Disease

- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)