

## Recombinant Human NLGN4X Protein, His-tagged

**Cat. No.** NLGN4X-394H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human NLGN4X protein with His tag was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 816                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | This gene encodes a member of the type-B carboxylesterase/lipase protein family. The encoded protein belongs to a family of neuronal cell surface proteins. Members of this family may act as splice site-specific ligands for beta-neurexins and may be involved in the formation and remodeling of central nervous system synapses. The encoded protein interacts with discs large homolog 4 (DLG4). Mutations in this gene have been associated with autism and Asperger syndrome. Alternative splicing results in multiple transcript variants. |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 72.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MSRPQGLLWLP LLFTPVCV MLNSNVLLWLTALAIKFTLIDSQAQYPVVNTNYGKIRGL<br>RTPLPNEILGPVEQYLGVPYASPPTGERRFQPPEPPSSWTGIRNTTQFAAVCPQHL<br>DERSLLHDMLPWF TANLDTLMTYVQDQNE DCLYLN IYVPTEDDIHDQNSKKPVMVY<br>IHGGSYMEGTGNMIDGSILASYGNVIVITINYRLGILGFLSTGDQAAKGNYGLLDQIQAL<br>LRWIEENVGA FG G DPKRVTIFGSGAGASCVSLLT LSHYSEGLFQKAIQSGTALSSW                                                                                                                                                                                                                             |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

AVNYQPAKYTRILADKVGCNMLDTTDMVECLRNKNYKELIQQTITPATYHIAFGPVID  
 GDVIPDDPQILMEQGEFLNYDIMLGVNQGEGLKFVDGIVDNEDGVTPNDFDFSVSNF  
 VDNLYGYPEGKDTLRETIFMYTDWADKENPETRRKTLVALFTDHQWVAPAVATAD  
 LHAQYGSPTYFYAFYHHCQSEMKPWSADSAHGDEVYVFGIPMIGPTLFCNFSK  
 NDVMLSAVVMYWTNFAKTGDPNQVPQDTKFIHTKPNRFEEVAWSKYNPDKQLY  
 LHIGLKPRVRDHYRATKVAFWLELVPHLHNLNEIFQYVSTTTKVPPDMTSFPYGTR  
 RSPAKIWPTTKRPAITPANNPKHSDPHKTGPEDTTVLIETKRDYSTEISVTIavgasl  
 LFLNILAFAALYYKKDKRRHETHRRPSPQRNTTNDIAHIQNEEIMSLQMKQLEHDHEC  
 ESLQAHDTLRLTCPPDYTLTLRRSPDDIPLMTPNTITMIPNTLTGMQPLHTFNTFSGG  
 QNSTNLPHGHSTTRV

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term).  
 After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18  
 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted  
 stock further in other aqueous solutions if needed. Please review COA for lot-specific  
 instructions. Final measurements should be determined by the end-user for optimal  
 performance.

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## GENE INFORMATION

|                 |                                                                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | NLGN4X neuroligin 4, X-linked [ Homo sapiens (human) ]                                                                                                          |
| Official Symbol | NLGN4X                                                                                                                                                          |
| Synonyms        | NLGN4X; neuroligin 4, X-linked; neuroligin 4 , NLGN4; neuroligin-4, X-linked; HLNX; KIAA1260; NLGN; neuroligin X; HNLX; HNL4X; NLGN4; ASPGX2; AUTSX2; MGC22376; |
| Gene ID         | 57502                                                                                                                                                           |
| mRNA Refseq     | NM_020742                                                                                                                                                       |
| Protein Refseq  | NP_065793                                                                                                                                                       |
| MIM             | 300427                                                                                                                                                          |
| UniProt ID      | Q8N0W4                                                                                                                                                          |

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