

Recombinant Human NLGN4X Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NLGN4X-4366H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NLGN4X MS Standard C13 and N15-labeled recombinant protein (NP_851849) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	91.9 kDa
AA Sequence	MSRPQGLLWLP LLFTPVCV MLNSNVLLWLTALAIKFTLIDSQAQYPVVNTNYGKIRGL RTPLPNEILGPVEQYLGV PYASPPTGERRFQPPEPPSSWTGIRNTTQFAAVCPQHL DERSLLHDM LPIWFTANLDTLMTYVQDQNE DCLYLN IYVPTEDDIHDQNSKKPVMVY IHGGSYMEGTGNMIDGSILASYGNVIVITINYRLGILGFLSTGDQAAKGNYGLLDQIQ A LRWIEENVGAFGGDPKRV TIFGSGAGASCVSLLT LSHYSEGLFQKAIISGTALSSW AVNYQPAKYTRILADKVG CNMLDTTDMVECLRNKNYKELIQQTITPATYHIAFGPVID

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GDVIPDDPQILMEQGEFLNYDIMLGVNQGEGLKFVDGIVDNEDGVTPNDFDFSVSNF
VDNLYGYPEGKDTLRETIKFMYTDWADKENPETRRKTLVALFTDHQWVAPAVATAD
LHAQYGSPTYFYAFYHHCQSEMKPSWADSAHGDEVYVFGIPMIGPTSELFSCNFSK
NDVMLSAVVMTYWTNFAKTGDPNPVPQDTKFIHTKPNRFEEVAWSKYNPKDQLY
LHIGLKPRVRDHYRATKVAFWLELVPHLHNLNEIFQYVSTTTKVPPDMTSFPYGTR
RSPAKIWPTTKRPAITPANNPKHSDPHKTGPEDTTVLIETKRDYSTELESVTIavgasL
LFLNILAFAALYYKKDKRRHETHRRPSPQRNTTNDIAHIQNEEIMSLQMKQLEHDEC
ESLQAHDTLRLTCPPDYTLTLRRSPDDIPLMTPNTITMIPNTLTGMQPLHTFNTFSGG
QNSTNLPHGHSTTRVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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;

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Gene ID	57502
mRNA Refseq	NM_181332
Protein Refseq	NP_851849
MIM	300427
UniProt ID	Q8N0W4
SDS-PAGE	