

Recombinant Human NLGN4X Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human NLGN4X protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	816
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.
Form	Lyophilized
Molecular Mass	72.2 kDa
AA Sequence	MSRPQGLLWLP LLFTPVCV MLNSNVLLWLTALAIKFTLIDSQAQYPVVNTNYGKIRGL RTPLPNEILGPVEQYLGVPYASPPTGERRFQPPEPPSSWTGIRNTTQFAAVCPQHL DERSLLHDMLPWF TANLDTLMTYVQDQNE DCLYLN IYVPTEDDIHDQNSKKPVMVY IHGGSYMEGTGNMIDGSILASYGNVIVITINYRLGILGFLSTGDQAAKGNYGLLDQIQAL LRWIEENVGAFGGDPKRV TIFGSGAGASCVSLLT LSHYSEGLFQKAIQSGTALSSW

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AVNYQPAKYTRILADKVGCNMLDTTDMVECLRNKNYKELIQQTITPATYHIAFGPVID
 GDVIPDDPQILMEQGEFLNYDIMLGVNQGEGLKFVDGIVDNEDGVTPNDFDFSVSNF
 VDNLYGYPEGKDTLRETIFMYTDWADKENPETRRKTLVALFTDHQWVAPAVATAD
 LHAQYGSPTYFYAFYHHCQSEMKP SWADSAHGDEVYVFGIPMIGPTL FSCNFSK
 NDVMLS AVVMTYWTNFAKTGDPNQVPQDTKFIHTKPNRFEEVAWSKY NPKDQLY
 LHIGLKPRVRDHYRATKVAFWLELVPHLHNLNEIFQYVSTTTKVPPDMTSFPYGTR
 RSPAKIWPTTKRPAITPANNPKH SKDPHKTGPEDTTVLIETKR DYSTELSVTI AVGASL
 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 H₂O 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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