

Recombinant Human NLGN4Y Protein, His-tagged

Cat. No. NLGN4Y-395H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NLGN4Y protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	816
Description	This gene encodes a type I membrane protein that belongs to the family of neuroligins, which are cell adhesion molecules present at the postsynaptic side of the synapse, and may be essential for the formation of functional synapses. Alternatively spliced transcript variants have been found for this gene.
Form	Lyophilized
Molecular Mass	72.23 kDa
AA Sequence	MLRPQGLLWLP LLFTSVCV MLNSNVLLWITALAIKFTLIDSQAQYPVVNTNYGKIQGL RTPLPSEILGPVEQYLGV PYASPPTGERRFQPPESPSSWTGIRNATQFSAVCPQHL DERFLLHDM LPWF TTS LDTLMTYVQDQNE DCLY LNIYVPMEDDIHEQNSKKPVMVY IHGGSYMEGTGNMIDGSILASYGNVIVITINYRLGILGFLSTGDQAAKGN YGLLDQIQ A LRWIEENVGAFGGDPKRV TIFGSGAGASCVSLLT LSHYSEGLFQKAIQSGTALSSW AVNYQPAKYTRILADKVG CNMLDTTDMVECLKNKNYKELIQQTITPATYHIAFGPVID GDVIPDDPQILMEQGEFLNYDIMLG V NQGEGLKFVDGIVDNEDGVTPNDFDFSVS NF VDNLYGYPEGKDTLRET IKFMYTDWADKENPETRRKTLVALFTDHQWVAPAVATAD

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LHAQYGSPTYFYAFYHHCQSEMKPSWADSAHGDEVYVFGIPMIGPTSELFSCNFSK
 NDVMLSAVVMTYWTNFAKTGDPNQVPQDTKFIHTKPNRFEEVAWSKYNP KDQLY
 LHIGLKPRVRDHYRATKVAFWLELVPHLHNLNEIFQYVSTTTKVPPDMTSFPYGTR
 RSPAKIWPTTKRPAITPANNPKHSDPHKTGPEDTTVLIETKRDYSTE SVTIAVGASL
 LFLNILAFAALYYKKDKRRHETHRHPSQRNTTNDITHIQNEEIMSLQMKQLEHDEC
 ESLQAHDTLRLTCPPDYTLRLRRSPDDIPFMTPTNTITMIPNTLMGMQPLHTFKTFSGG
 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.

GENE INFORMATION

Gene Name NLGN4Y neuroligin 4, Y-linked [Homo sapiens (human)]

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Official Symbol	NLGN4Y
Synonyms	NLGN4Y; neuroligin 4, Y-linked; neuroligin 4, Y linked; neuroligin-4, Y-linked; KIAA0951;
Gene ID	22829
mRNA Refseq	NM_001164238
Protein Refseq	NP_001157710
MIM	400028
UniProt ID	Q8NFZ3

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