

Recombinant Human NLGN4Y Protein(Gln44-Leu675), His-tagged

Cat. No. NLGN4Y-02H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NLGN4Y protein(Gln44-Leu675) with a His-tag was expressed in HEK293
Species	Human
Source	HEK293
ProteinLength	44-675 a.a.
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.
Molecular Mass	The protein has a calculated MW of 72 kDa.
AA Sequence	QYPVVNTNYGKIQGLRTPLPSEILGPVEQYLGVPYASPTGERRFQPPESPSSWTGI RNATQFSAVCPQHLLDERFLLHDMPLPIWFTTSLDTLMTYVQDQNECLYLNIVPMED DIHEQNSKKPVMVYIHGGSYMEGTGNMIDGSILASYGNVIVITINYRLGILGFLSTGDQ AAKGNYGLLDQIQALRWIEENVGAFGGDPKRVITFGSGAGASCVSLLTLSHYSEGLF QKAIQSGTALSSWAVNYQPAKYTRILADKVGCMMLDTTDMVECLKNKNYKELIQQTI TPATYHIAFGPVIDGDVIPDDPQILMEQGEFLNYDIMLGVNQGEGLKFVDGIVDNEDG VTPNDFDFSVSNFVDNLYGYPEGKDTLRETIKFMYTDWADKENPETRRKTLVALFTD HQWVAPAVATADLHAQYGSPTYFYAFYHHCQSEMKPSWADSAHGDEVYVFGIPM

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IGPTSELFSCNFSKNDVMLSAVVMTYWTNFAKTGDPNPVPQDTKFIHTKPNRFEEV
 AWSKYNPKDQLYLHIGLKPRVRDHYRATKVAFWLELVPHLHNLNEIFQYVSTTTKVP
 PPDMTSFPYGTRRSPAKIWPTTKRPAITPANNPKHSDPHKTGPEDTTVLIETKRDY
 STELGGGSGGGSHHHHHHHHHH

Endotoxin <1 EU/μg

Purity >90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.22 mg/mL

Storage Buffer PBS, pH7.4

GENE INFORMATION

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

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

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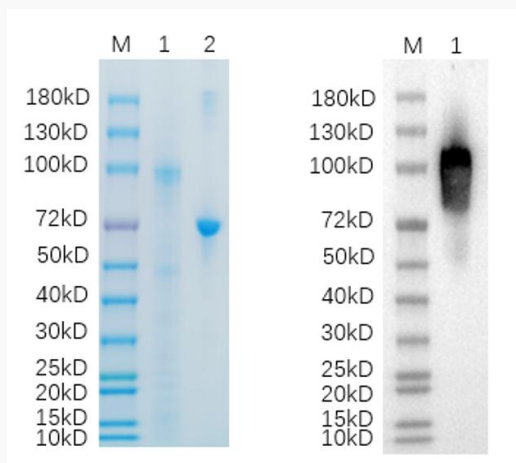
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MIM 400028

UniProt ID Q8NFZ3

SDS-PAGE:



Reducing 12% SDS-PAGE and WB analysis profile of purified NLGN4Y (44-675)

1. NLGN4Y 44-675

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