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	QYPVVNTNYGKIQGLRTPLPSEILGPVEQYLGVPYASPPTGERRFQPPESPSSWTGI RNATQFSAVCPQHLDERFLLHDMLPIWFTTSLDTLMTYVQDQNEDCLYLNIYVPMED DIHEQNSKKPVMVYIHGGSYMEGTGNMIDGSILASYGNVIVITINYRLGILGFLSTGDQ AAKGNYGLLDQIQALRWIEENVGAFGGDPKRVTIFGSGAGASCVSLLTLSHYSEGLF QKAIIQSGTALSSWAVNYQPAKYTRILADKVGCNMLDTTDMVECLKNKNYKELIQQTI TPATYHIAFGPVIDGDVIPDDPQILMEQGEFLNYDIMLGVNQGEGLKFVDGIVDNEDG VTPNDFDFSVSNFVDNLYGYPEGKDTLRETIKFMYTDWADKENPETRRKTLVALFTD HQWVAPAVATADLHAQYGSPTYFYAFYHHCQSEMKPSWADSAHGDEVPYVFGIPM

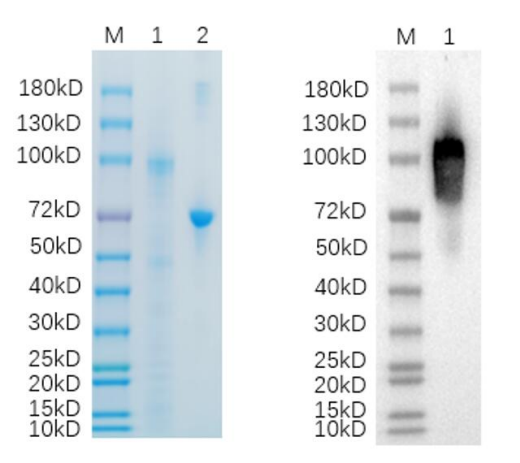
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	IGPTELFSCNFSKNDVMLSAVVMTYWTNFAKTGDPNQPVPQDTKFIHTKPNRFEEV AWSKYNPKDQLYLHIGLKPRVRDHYRATKVAFWLELVPHLHNLNEIFQYVSTTTKVP PPDMTSFPYGTRRSPAKIWPTTKRPAITPANNPKHSKDPHKTGPEDTTVLIETKRDY STELGGGSGGGSHHHHHHHHHH
Endotoxin	<1 EU/μg
Purity	>90% by SDS-PAGE
Storage	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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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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