

Active Recombinant Human NLGN4Y protein, His-tagged

Cat. No. NLGN4Y-25H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NLGN4Y(Gln42-Val677) fused with His tag at C-terminal was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	42-677 a.a.
Predicted N Terminal	No results obtained. Gln42 inferred from enzymatic pyroglutamate treatment revealing Ala43
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by its ability to enhance neurite outgrowth of dissociated E13 chick embryonic dorsal root ganglia (DRG) neurons. Able to significantly enhance neurite outgrowth when immobilized at 3-12 µg/mL.
Molecular Mass	Predicted Molecular Mass: 72 kDa SDS-PAGE: 90-105 kDa, reducing conditions
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

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Stability	Avoid repeated freeze-thaw cycles.
	12 months from date of receipt, -20 to -70 centigrade as supplied.
	1 month, 2 to 8 centigrade under sterile conditions after reconstitution.
	3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution	Reconstitute at 500 µg/mL in PBS.
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GENE INFORMATION

Gene Name	NLGN4Y neuroligin 4, Y-linked [Homo sapiens]
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Official Symbol	NLGN4Y
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Synonyms	NLGN4Y; neuroligin 4, Y-linked; neuroligin 4, Y linked; neuroligin-4, Y-linked; KIAA0951;
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Gene ID	22829
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mRNA Refseq	NM_001164238
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Protein Refseq	NP_001157710
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MIM	400028
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UniProt ID	Q8NFZ3
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Chromosome Location	Y
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Function	NOT carboxylesterase activity; neurexin family protein binding; protein binding; receptor activity;
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