

[Go to Product page](#)

Datasheet for ABIN1691472

**Neurologin 4 Protein (NLGN4) (AA 42-676) (His tag)**

## Overview

Quantity:	50 µg
Target:	Neurologin 4 (NLGN4)
Protein Characteristics:	AA 42-676
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Neurologin 4 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Neurologin 4, X-Linked/NLGN4X (C-6His)
Sequence:	QAQYPVVNTN YGKIRGLRTP LPNEILGPVE QYLGVPYASP PTGERRFQPP EPPSSWTGIR NTTQFAAVCP QHLDESSLH DMLPIWFTAN LDTLMTYVQD QNEDCLYLNI YVPTEDDIHD QNSKKPVMVY IHGGSYMEGT GNMIDGSILA SYGNVIVITI NYRLGILGFL STGDQAAKGN YGLLDQIQAL RWIEENVGAF GGDPKRVTIF GSGAGASCVS LLTSLHYSEG LFQKAIQSG TALSSWAVNY QPAKYTRILA DKVGCNMLDT TDMVECLRKN NYKELIQQT TPATYHIAFG PVIDGDVIPD DPQILMEQGE FLNYDIMLGV NQGEGLKFVD GIVDNEDGVT PNDFDFSNS FVDNLYGYPE GKDTLRETIK FMYTDWADKE NPETRRKTLV ALFTDHQWVA PAVATADLHA QYGSPTYFYA FYHHCQSEMK PSWADSAHGD EPPYVFGIPM IGPTFLFSCN FSKNDVMLSA VVMTYWTNFA KTGDPNQVPV QDTKFIHTKP NREFEVAWSK YNPKDQLYLH IGLKPRVRDH YRATKVAFWL ELVPHLHNLN EIFQYVSTTT KVPPDMSF PYGTRRSPAK IWPTTKRPAI TPANNPKHSK DPHKTGPEDT TVLIETKRDY STELSVDHHH HHH
Characteristics:	Recombinant Human Neurologin 4, X-Linked/NLGN4X is produced by our mammalian

## Product Details

expression system in human cells. The target protein is expressed with sequence (Gln42-Ser676) of Human NLGN4X fused with a polyhistidine tag at the C-terminus.

Purity: > 95 % as determined by reducing SDS-PAGE.

Sterility: 0.2 µm filtered

Endotoxin Level: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target: Neuroligin 4 (NLGN4)

Abstract: [NLGN4 Products](#)

Sub Type: Fusionprotein

Background: Neuroligin 4, X-Linked (NLGN4X) is a single-pass type I membrane protein that belongs to the type-B carboxylesterase/lipase family. NLGN4X is detected at higher levels in heart and at lower levels in the liver, skeletal muscle, and pancreas. NLGN4X is a putative neuronal cell surface protein involved in cell-cell-interactions. NLGN4X may act as splice site-specific ligands for beta-neurexins. It has been shown that NLGN4X is involved in the formation and remodeling of central nervous system synapses. NLGN4X also interacts with discs, large (Drosophila) homolog 4 (DLG4). Defects in NLGN4X have been associated with autism and Asperger syndrome.

Alternative Names: Neuroligin-4 X-Linked, Neuroligin X, HNLX, NLGN4X, KIAA1260, NLGN4

Molecular Weight: 72.46 kDa

UniProt: [Q8N0W4](#)

Pathways: [Cell-Cell Junction Organization](#), [Synaptic Membrane](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 µg/mL.  
Dissolve the lyophilized protein in ddH<sub>2</sub>O.  
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## Handling

---

Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months