

## Recombinant Human NLGN4X Protein, His-tagged

Cat. No. NLGN4X-34H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant human NLGN4X protein with a His-tag was expressed in HEK293

**Species** Human

**Source** HEK293

**Description** This gene encodes a member of the type-B carboxylesterase/lipase protein family. The encoded protein belongs to a family of neuronal cell surface proteins. Members of this family may act as splice site-specific ligands for beta-neurexins and may be involved in the formation and remodeling of central nervous system synapses. The encoded protein interacts with discs large homolog 4 (DLG4). Mutations in this gene have been associated with autism and Asperger syndrome. Alternative splicing results in multiple transcript variants.

**Molecular Mass** The protein has a calculated MW of 73 kDa.

**AA Sequence**

```

QYPVVNTNYGKIRGLRTPNEILGPVEQYLGVPYASPTGERRFQPPEPPSSWTGI
RNTTQFAAVCPQHLDERSLLHDMLPIWFTANLDTLMTYVQDQNECLYLNIVPTED
DIHDQNSKKPVMVYIHGGSYMEGTGNMIDGSILASYGNVIVITINYRLGILGFLSTGDQ
AAKGNYGLLDQIQALRWIENVGAFGGDPKRVTIFGSGAGASCVSLLTLSHYSEGLF
QKAIQSGTALSSWAVNYQPAKYTRILADKVGCMMLDTTDMVECLRNKNYKELIQQT
TPATYHIAFGPVIDGDVIPDDPQILMEQGEFLNYDIMLGVNQGEGLKFVDGIVDNEDG
VTPNDFDFSVSNFVDNLYGYPEGKDTLRETIKFMYPDWADKENPETRRKTLVALFTD
HQWVAPAVATADLHAQYGSPTYFYAFYHHCQSEMKPSWADSAHGDEVYVFGIPM
    
```

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IGPTELFSCNFSKNDVMLSAVVMTYWTNFAKTGDPNQVPVQDTKFIHTKPNRFEEV  
 AWSKYNPKDQLYLHIGLKPRVRDHYRATKVAFWLELVPHLHNLNEIFQYVSTTTKVP  
 PPDMTSFPYGTRRSPAKIWPTTKRPAITPANNPKHSDPHKTPEDTTVLIETKRDY  
 STELGGGSGGGSHHHHHHHHHH

**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** 0.2 mg/mL

**Storage Buffer** PBS pH7.4

## GENE INFORMATION

**Gene Name** [NLGN4X neuroigin 4, X-linked \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [NLGN4X](#)

**Synonyms** NLGN4X; neuroigin 4, X-linked; neuroigin 4 , NLGN4; neuroigin-4, X-linked; HLNX; KIAA1260; NLGN; neuroigin X; HNLX; HNL4X; NLGN4; ASPGX2; AUTSX2; MGC22376;

**Gene ID** [57502](#)

**mRNA Refseq** [NM\\_020742](#)

**Protein Refseq** [NP\\_065793](#)

**MIM** [300427](#)

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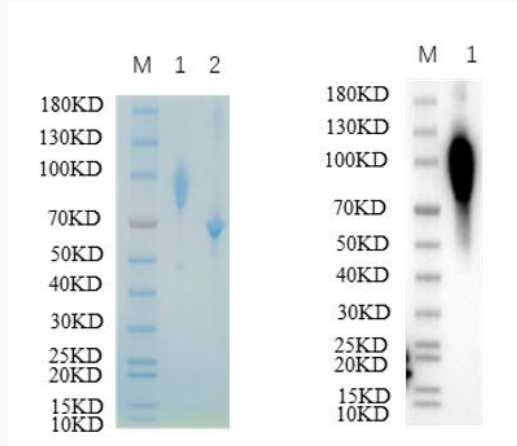
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UniProt ID

Q8N0W4

SDS-PAGE:



Reducing 12% SDS-PAGE and WB analysis profile of purified NLGN4X

1. NLGN4X

2. BSA

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