

Recombinant Human NLGN4X protein, His-tagged

Cat. No. NLGN4X-712H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NLGN4X (Gln42-Ser676) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Gln42-Ser676
Description	Neurologin-4, X-linked (NLGN4X) is also known as HNLX, KIAA1260, NLGN4, ASPGX2, AUTSX2, HLN4X, HNL4X, NLGN, NLGN4, which belongs to the type-B carboxylesterase/lipase family, a neuronal cell surface proteins. NLGN4X is a homodimer, which can interacts with NRXN1 in a calcium-dependent manner and also interacts through its C-terminus with DLG4/PSD-95 third PDZ domain. Neurologins may act as splice site-specific ligands for beta-neurexins and may be involved in the formation and remodeling of central nervous system synapses. NLGN4X is putative neuronal cell surface protein involved in cell-cell-interactions.
Predicted N Terminal	Gln42
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 72.2 kDa. The protein migrates as 80-110 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	NLGN4X
Official Symbol	NLGN4X
Synonyms	NLGN4X; neuroligin 4, X-linked; neuroligin 4, NLGN4; neuroligin-4, X-linked; HLN4X; KIAA1260; NLGN; neuroligin X; HNLX; HNL4X; NLGN4; ASPGX2; AUTSX2; MGC22376
Gene ID	57502
mRNA Refseq	NM_020742
Protein Refseq	NP_065793
MIM	300427

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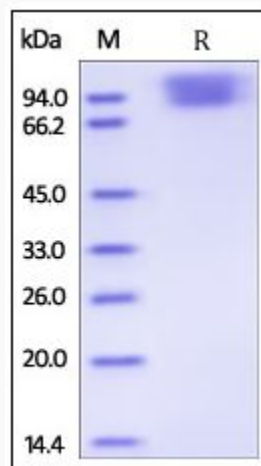
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UniProt ID

Q8NOW4

SDS-PAGE of
NLGN4X-712H



Human NLGN4X, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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