

NLGN4X Protein, Human (635a.a, HEK293, His)

Cat. No.:	HY-P71165
Synonyms:	Neurologin-4 X-Linked; Neurologin X; HNLX; NLGN4X; KIAA1260; NLGN4
Species:	Human
Source:	HEK293
Accession:	Q8N0W4 (Q42-S676)
Gene ID:	57502
Molecular Weight:	Approximately 95.0 kDa

PROPERTIES

AA Sequence

QAQYPVVNTN	YGKIRGLRTP	LPNEILGPVE	QYLGVPYASP
PTGERRFQPP	EPPSSWTGIR	NTTQFAAVCP	QHLDERSLLH
DMLPIWFTAN	LDTLMTYVQD	QNEDECLYLN	YVPTEDDIHD
QNSKKPVMVY	IHGGSYMEGT	GNMIDGSILA	SYGNVIVITI
NYRLGILGFL	STGDQAAKGN	YGLLDQIQAL	RWIEENVGAF
GGDPKRVTIF	GSGAGASCVS	LLTLSHYSEG	LFQKAI IQSG
TALSSWAVNY	QPAKYTRILA	DKVGCNMLDT	TDMVECLRNK
NYKELIQQTI	TPATYHIAFG	PVIDGDVIPD	DPQILMEQGE
FLNYDIMLGV	NQGEGLKFVD	GIVDNEDGVT	PNDFDFS VSN
FVDNLYGYPE	GKDTLRETIK	FMYTDWADKE	NPETRRKTLV
ALFTDHQWVA	PAVATADLHA	QYGSPTYFYA	FYHHCQSEM K
PSWADSAHGD	EVPYVFGIPM	IGPTELFSCN	FSKNDVMLSA
VVMTYWTNFA	KTGDPNQ PVP	QDTKFIHTKP	NRFE EVAWSK
YNPKDQLYLH	I GLKPRVRDH	YRATKVAFWL	ELVPHLHNLN
EIFQYVSTTT	KVPPPDMTSF	PYGTRRSPAK	IWPTTKRPAI
TPANNPKHSK	DPHKTGPEDT	TVLIETKRDY	STEL S

Appearance

Lyophilized powder.

Formulation

Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Endotoxin Level

<1 EU/ μ g, determined by LAL method.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

Storage & Stability

Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping

Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

NLGN4X Protein, a cell surface protein, actively participates in cell-cell interactions through its engaging interactions with neurexin family members. Existing as a homodimer, NLGN4X engages in a calcium-dependent interaction with NRXN1, and the binding with neurexins is facilitated by heparan sulfate glycan modification on neurexin. Notably, its C-terminus forms an interaction with DLG4/PSD-95 third PDZ domain, emphasizing its role in intricate cellular signaling processes. This multifaceted engagement highlights NLGN4X's significance in mediating molecular interactions that contribute to cellular adhesion and communication.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA