

NLGN4X Protein, Human (HEK293, Fc)

Cat. No.:	HY-P76515
Synonyms:	Neuroigin-4 X-Linked; Neuroigin X; HNLX; NLGN4X; KIAA1260; NLGN4
Species:	Human
Source:	HEK293
Accession:	Q8N0W4 (M1-S676)
Gene ID:	57502
Molecular Weight:	Approximately 98.2 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
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 ddH ₂ O.
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.
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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