

[Go to Product page](#)

Datasheet for ABIN1097221

Neurologin 1 Protein (NLGN1) (AA 46-694) (His tag)

Overview

Quantity:	50 µg
Target:	Neurologin 1 (NLGN1)
Protein Characteristics:	AA 46-694
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Neurologin 1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Neurologin-1/NLGN1 (C-6His)
Sequence:	<p>QKLDDVDPLV ATNFGKIRGI KKELNNEILG PVIQFLGVPY AAPPTGERRF QPPEPPSPWS DIRNATQFAP VCPQNIIDGR LPEVMLPVWF TNNLDVWSSY VQDQSEDCLY LNIYVPTEDD IRDSGGPKPV MVIYHGGSYM EGTGNLYDGS VLASYGNVIV ITVNYRLGVL GFLSTGDQAA KGNYGLLDLI QALRWTSNI GFFGGDPLRI TVFGSGAGGS CVNLLTL SHY SEGNRWSNST KGLFQRAIAQ SGTALSSWAV SFQPAKYARM LATKVGCVNS DTVELVECLQ KKPYPKELVDQ DIQPARYHIA FGPVIDGDVI PDDPQILMEQ GEFLNYDIML GVNQGEGLKF VENIVDSDDG ISASDFDFAV SNFVDNLYGY PEGKDVLRIT IKFMYTDWAD RHNPETRRKT LLALFTDHQW VAPAVATADL HSNFGSPTYF YAFYHHCQTD QVPAWADAAH GDEVPYVLGI PMIGPTLFP CNFSKNDVML SAVVMTYWTN FAKTGDPNQV VPQDTKFIHT KPNRFEEVAW TRYQKQDQLY LHIGLKPRVK EHYRANKVNL WLELVPHLHN LNDISQYTST TTKVPSTDIT FRPTRKNSVP VTSAPPTAKQ DDPKQQPSPF SVDQRDYSTE LVDHHHHHHH</p>
Characteristics:	Recombinant Human Neurologin 1/NLGN1 is produced with our mammalian expression system

Product Details

	in human cells. The target protein is expressed with sequence (Q46-S694) of Human NLGN1 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:	Neurologin 1 (NLGN1)
Alternative Name:	Neurologin-1 (NLGN1 Products)
Sub Type:	Fusionprotein
Background:	<p>Neurologin-1 is a single-pass type I transmembrane protein which belongs to the type-B Carboxylesterase/Lipase family. Neurologins are cell-adhesion molecules located at the postsynaptic side of the synapse. Neurologins interact with beta-neurexins and this interaction is involved in the formation of functional synapses. Neurexins and Neurologins are cell adhesion molecules present in excitatory and inhibitory synapses, and they are required for correct neuron network function. These proteins are found at the presynaptic and postsynaptic membranes. Neurologin-1 is a neuronal cell surface protein which is thought to be involved in cell-cell-interactions by forming intercellular junctions through binding to beta-neurexins. It seems to play role in formation or maintenance of synaptic junctions. It triggers the de novo formation of presynaptic structures and may be involved in specification of excitatory synapses.</p> <p>Synonyms: Neurologin-1, NLGN1, KIAA1070</p>
Molecular Weight:	71.5 kDa
UniProt:	Q8N2Q7
Pathways:	Synaptic Membrane , Synaptic Vesicle Exocytosis

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
---------	-------------

Handling

Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH ₂ O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
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