

## Product datasheet for PH307955

### Neuroigin 3 (NLGN3) (NM\_018977) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NLGN3 MS Standard C13 and N15-labeled recombinant protein (NP_061850)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207955
Predicted MW:	91.8 kDa
Protein Sequence:	>RC207955 protein sequence Red=Cloning site Green=Tags(s)

MWLRLGPPSLSLSPKPTVGRSLCLTLWFLSLALRASTQAPAPTVENTHFGKLRGARVPLPSEILGPVDQYL  
GVPYAAPPIGEKRFLPPEPPYWSGIRNATHFPPVCPQNIHTAVPEVMLPVWFTANLDIVATYIQEPNED  
CLYLNYYVPTEDGSGAKKQGEDLADNDGDEDEDIRDGAKPVMVYIHGGSYMEGTGNMIDGSILASYGNV  
IVITLNYRVGVLGFLSTGDQAAKGNYGLLDQIQALRWVSENIAFFGGDPRRITVFGSGIGASCVSLTSL  
HHSEGLFQRAIIQSGSALSSWAVNYQPKYTSLLADKVGCVNLDTVDMVDCLRQSAKELVEQDIQPARY  
HVAFGPVIDGDVIPDDPEILMEQGEFLNYDIMLGVNQEGELKFEVGVDPEDGVSVDGDFDYSVSNFVDNL  
YGYPEGKDTLRETIKFMYPDWADRDNPE TRRKT LVALFDHQWVEPSVVTADLHARYGSPTYFYAFYHHC  
QSLMKPAWSDAAHGDEVYVFGVPMVGP TDLFPCNF SKNDVMLS AVVMTYWTNFAKTGDPNKPVPQDTKF  
IHTKANRFEEVAWSKYNPRDQLYLHIGLKPRVRDHYRATKVAFWKHLVPHLYNLHDMFHYTSTTTKVPPP  
DTTHSSHITRRPNGKTWSTKRP AISPAYSNENAQGSWNGDQDAGPLL VENPRDYSTELSVTIAVGASILF  
LNVLAFAALYYRKDKRRQEPLRQPSPQRGAWAPELGAPEEELAAALQLGPTHHECEASPPHDTLRLTALP  
DYTLTLRRSPDDIPLMTPNTITMIPNSLVGLQTLHPYNTFAAGFNSTGLPHSHSTTRV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_061850</a>



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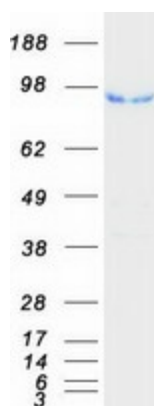
RefSeq Size:	3935
RefSeq ORF:	2484
Synonyms:	HNL3
Locus ID:	54413
UniProt ID:	<a href="#">Q9NZ94</a> , <a href="#">X5D2P6</a> , <a href="#">Q4G160</a>
Cytogenetics:	Xq13.1

**Summary:** This gene encodes a member of 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. Mutations in this gene may be associated with autism and Asperger syndrome. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Oct 2009]

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Cell adhesion molecules (CAMs)

### Product images:



Coomassie blue staining of purified NLGN3 protein (Cat# [TP307955]). The protein was produced from HEK293T cells transfected with NLGN3 cDNA clone (Cat# [RC207955]) using MegaTran 2.0 (Cat# [TT210002]).