

Product datasheet for **RC207955**

Neuroigin 3 (NLGN3) (NM_018977) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neuroigin 3 (NLGN3) (NM_018977) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Neuroigin 3
Synonyms:	HNL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC207955 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGCTGCGGCTTGGCCCGCCTCGTGTCCCTGAGCCCCAAGCCACGGTTGGCAGGAGCCTGTGCC
 TCACCCTGTGGTTCTCAGTTTGGCGCTGAGGGCCAGTACCCAGGCCCCAGCACCCACAGTCAACTCA
 CTTTGGGAAGCTAAGGGGTGCCCGAGTACCACTGCCAGTGAGATCCTGGGGCCTGTGGACCAATACCTG
 GGGGTGCCCTACGCAGCTCCCCGATCGGCGAGAAACGTTTCTGCCCTGAACCACCCCATACTGGT
 CGGGCATCCGGAACGCCACACACTTTCCACCAGTGTGCCCCAGAACATCCACACAGCTGTGCCGAAGT
 CATGCTGCCGGTCTGGTTCAGTCCAACTTGGATATCGTCGCTACTTACATCCAGGAGCCCAACGAAGAC
 TGTCTCTACCTGAACGTCTATGTCCGACGGAGGATGGATCCGGCGCTAAGAAACAGGGCGAGGACTTAG
 CGGATAATGACGGGGATGAAGATGAAGACATCCGGGACAGTGGTCTAAACCCGTCATGGTCTACATCCA
 CGGAGGCTTTACATGGAAGGGACAGGCAACATGATTGATGGCAGCATCCTCGCCAGTTATGGCAATGTC
 ATCGTCATCACCTCAACTATCGGGTGGAGTGTAGGTTTCTGAGTACTGGAGATCAGGCTGCCAAGG
 GCAACTATGGGCTCCTTGACCAGATCCAGGCCCTCCGCTGGGTGAGCGAGAATATTGCCCTTCTCGGGG
 AGACCCCGCCGGATCACTGTCTTTGGCTCGGGCATTGGTGCATCCTGCGTCAGCCTCCTAACGTTGTCA
 CATCACTCAGAGGGACTTTTCCAGAGAGCCATCATCCAAAGTGGCTCTGCTCTGTCCAGCTGGGCTGTGA
 ACTACCAACCAGTGAAGTACACCAGCCTGCTGGCAGACAAAGTGGGCTGTAAATGTCTGGACCCGTGGA
 TATGGTGGACTGTCTTCGGCAAAGAGTGCCAAGGAGCTGGTAGAGCAGGACATCCAGCCAGCCCGCTAC
 CACGTGGCCTTTGGCCCTGTGATTGATGGTGTGATCATTCTGATGACCTGAGATCCTCATGGAGCAGG
 GCGAGTTCTCAACTATGACATCATGCTAGGTGCAACCAGGGCGAGGGTCTCAAGTTTGTGGAAGGGGT
 GGTGGACCTGAGGATGGTGTCTCTGGCACTGACTTTGACTATTCCGTCTCCAATTTTGTGGACAATCTG
 TATGGCTATCCTGAGGGTAAGGACACCCTGCGAGAGACCATCAAGTTCATGTATACAGACTGGGCAGACC
 GTGACAACCCTGAGACCCGCCGTAACAACTGGTGGCACTCTTCACTGACCACCAGTGGGTGGAGCCCTC
 AGTGGTGACAGCCGATCTGCATGCCGCTACGGCTCGCCTACCTACTTCTACGCTTCTATCATCACTGC
 CAGAGCCTCATGAAGCCTGCTTGGTCAGATGCAGCTCATGGGGATGAAGTACCCTATGTTTTGGGGTTC
 CTATGGTAGGCCCACTGACCTTTCCCTGCAACTTCTCCAAGAATGATGTTATGCTCAGTGTGTCGT
 CATGACCTATTGGACCACTTTGCCAAGACTGGGGATCCCAACAAGCCGGTCCCCAGGACACCAAGTTC
 ATTCACACCAAGGCCAACCGCTTTGAGGAAGTGGCCTGGTCCAAATACAATCCCCGAGACCAGCTCTACC
 TTCACATCGGGCTGAAACCAAGGGTCCGAGATCATTACCGGGCCACTAAGGTGGCCTTTTGGAAACATCT
 GGTGCCGCACCTATAACCTGCATGACATGTTCCACTATACGTCCACCACCACCAAGTGCCGCCTCCG
 GATACCACCCACAGCTCCCACATCACCCGAGGCCAATGGCAAGACCTGGAGCACCAAGCGGCCAGCCA
 TCTCACCTGCCTACAGCAACGAGAATGCCAGGGTCTTGGAACGGGGACCAGGATGCAGGGCCACTCCT
 GGTGGAGAACCCTCGTGACTACTCCACTGAATTAAGTGTACCATCGCCGTGGGGCCTCCATCCTGTTC
 CTTAACGTTCTGGCCTTCGCTGCCCTCTACTACCGTAAGGACAAACGGCGCCAGGAGCCCTGCGGCAGC
 CTAGCCCTCAGCGGGGAGCCTGGGCCCGGAGTTGGGAGCTGCTCCAGAGGAGGAGCTGGCAGCATTACA
 ACTGGGCCCCACCCACCAGAGTGTGAGGCCAGTCCCCCATGACACGCTGCGCCTCACTGCATTGCC
 GACTACACCTGACCCTGCGGCGCTCCCGGATGACATCCCACTCATGACCCCAACACCATCACTATGA
 TCCCCAACTCCCTGGTAGGGCTGCAGACATTGCCCCCTATAACACCTTTGCCGCAGGGTTCAACAGTAC
 CGGGCTGCCCCACTCACACTCCACTACCCGGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC207955 protein sequence
Red=Cloning site Green=Tags(s)

MWLRRLGPPSLSLSPKPTVGRSLCLTLWFLSLALRASTQAPAPT VNTHFGKLRGARVPLPSEILGPVDQYL
GVPYAAPP IGEKRFLPPEPPPYWSGIRNATHFPPVCPQNIHTAVPEVMLPVWFTANL DIVATYIQEPNED
CLYLN VYVPTEDGSGAKKQGEDLADNDGDEDEDIRD SGAKPVMVYIHGGSYMEGTGNMIDGSILASYGNV
IVITLNYRVGVLGFLSTGDQAAKGNYGLLDQIQALRWVSENI AFFGGDPRRITVFGSGIGASCVSLLTSL
HHSEGLFQRAIIQSGSALSSWAVNYQPVKYTSL LADKVGCVLDTVDMVDCLRQKSAKELVEQDIQPARY
HVAFGPVIDGDVIPDDPEILMEQGEFLNYDIMLGVNQGEGLKFVEGVVDPEDGVSGTDFDYSVSNFVDNL
YGYPEGKDTLRETIKFMYTDWADRDNPETRRKTLVALFTDHQWVEPSVVTADLHARYGSPTYFYAFYHHC
QSLMKPAWSDAAHGDEVPYVFGVPMVGPTDLFPCNF SKNDVMLS AVVMTYWTFNAKTGDPNKPVPQDTKF
IHTKANRFEEVAWSKYNPRDQLYLHIGLKPRVRDHYRATKVAFWKHLVPHLYNLHDMFHYTSTTTKVPPP
DTTHSSHITRRPNGKTWSTKRPAISPAYS NENAQGSWNGDQDAGPLLVENPRDYSTE LSVTIAVGASILF
LNVLAFAALYYRKDKRRQEPLRQPSQRGAWAPELGAAP EEL AALQLGPTHECEASPPHDTLRLTALP
DYTLTLRRSPDDIPLMTPNTITMIPNSLVGLQTLHPYNTFAAGFNSTGLPHSHSTTRV

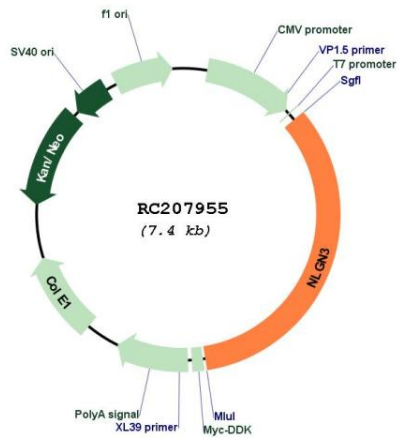
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6202_d03.zip

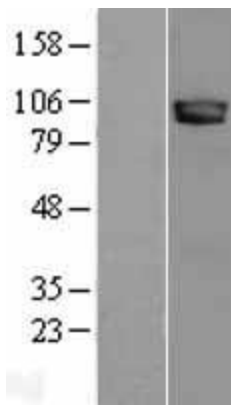
Restriction Sites: Sgfl-Mlul

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_018977.4
RefSeq Size:	3935 bp
RefSeq ORF:	2487 bp
Locus ID:	54413
UniProt ID:	Q9NZ94
Cytogenetics:	Xq13.1
Domains:	COesterase
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs)
MW:	91.8 kDa
Gene 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]

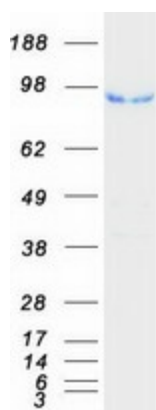
Product images:



Circular map for RC207955



Western blot validation of overexpression lysate (Cat# [LY402722]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207955 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



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]).