

Product datasheet for **RC230539**

Neuroigin 3 (NLGN3) (NM_181303) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neuroigin 3 (NLGN3) (NM_181303) 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)



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ORF Nucleotide Sequence:

>RC230539 representing NM_181303
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGCTGCGGCTTGGCCCGCCTCGTGTCCCTGAGCCCCAAGCCACGGTTGGCAGGAGCCTGTGCC
 TCAACCCTGTGGTTCCCTCAGTTTGGCGCTGAGGGCCAGTACCCAGGCCCCAGCACCCACAGTCAACTCA
 CTTTGGGAAGCTAAGGGGTGCCCGAGTACCACTGCCAGTGAGATCCTGGGGCCTGTGGACCAATACCTG
 GGGGTGCCCTACGCAGCTCCCCGATCGGCGAGAAACGTTTCTGCCCTGAACCACCCCATCTGGT
 CGGGCATCCGGAACGCCACACACTTTCCCCAGTGTGCCCCAGAACATCCACACAGCTGTGCCGAAGT
 CATGCTGCCGGTCTGGTCACTGCCAATTGGATATCGTCGCTACTTACATCCAGGAGCCCAACGAAGAC
 TGTCTCTACCTGAACGTCTATGTCCGACGGAGGATGTAAGCGGATTTCCAAGGAATGCCCGCAAAGC
 CCAACAAGAAAATTTGTAGGAAAGGAGGATCCGGCGCTAAGAAACAGGGCGAGGACTTAGCGGATAATGA
 CGGGGATGAAGATGAAGACATCCGGGACAGTGGTCTAAACCCGTCATGGTCTACATCCACGGAGGCTCT
 TACATGGAAGGGACAGGCAACATGATTGATGGCAGCATCCTCGCCAGTTATGGCAATGTCATCGTCATCA
 CCCTCAACTATCGGGTTGGAGTGCTAGGTTTCTGAGTACTGGAGATCAGGCTGCCAAGGGCAACTATGG
 GCTCCTTGACCAGATCCAGGCCCTCCGCTGGGTGAGCGAGAATATTGCCCTTCTCGGGGAGACCCCGC
 CGGATCACTGTCTTTGGCTCGGGCATTGGTGCATCCTGCGTCAGCCTCCTCACGTTGTCACATCACTCAG
 AGGGACTTTTCCAGAGAGCCATCATCAAAGTGGCTCTGCTCTGTCCAGCTGGGCTGTGAACTACCAACC
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 TTGGCCCTGTGATTGATGGTGTGCTCCTCCTGATGACCCTGAGATCCTCATGGAGCAGGGCGGATTCCT
 CAACTATGACATCATGCTAGGTGTCAACCAGGGCGAGGGTCTCAAGTTTGTGGAAGGGTGGTGGACCCT
 GAGGATGGTGTCTCTGGCACTGACTTTGACTATTCCGTCTCCAATTTTGTGGACAATCTGTATGGCTATC
 CTGAGGGTAAGGACACCCTGCGAGAGACCATCAAGTTCATGTATACAGACTGGGCAGACCGTGACAACCC
 TGAGACCCGCGTAAAACACTGGTGGCACTCTTCACTGACCACCAGTGGTGGAGCCCTCAGTGGTGA
 GCCGATCTGCATGCCGCTACGGCTCGCTACTTCTACGCCTTCTATCATCACTGCCAGAGCCTCA
 TGAAGCCTGCTTGGTCAAGTGCAGCTCATGGGGATGAAGTACCCTATGTTTTTGGGGTCTCATGGTAGG
 CCCCCTGACCTTTCCCTGCAACTTCTCCAAGAATGATGTTATGCTCAGTGTGTCGTCATGACCTAT
 TGGACCAACTTTGCCAAGACTGGGGATCCCAACAAGCCGGTCCCCAGGACACCAAGTTCATTACACCA
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 TGACCCTGCGGCCTCCCGGATGACATCCCACTCATGACCCCAACACCATCACTATGATCCCAACTC
 CCTGGTAGGGCTGCAGACATTGCACCCCTATAACACCTTTGCCGAGGGTTCAACAGTACCGGGCTGCC
 CACTCACACTCCACTACCCGGTA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC230539 representing NM_181303
Red=Cloning site Green=Tags(s)

MWLRRLGPPSLSLSPKPTVGRSLCLTLWFLSLALRASTQAPAPTVENTHFGKLRGARVPLPSEILGPVDQYL
 GVPYAAPPIGEKRFLPPEPPPSWSGIRNATHFPPVCPQNIHTAVPEVMLPVWFTANLIDIVATYIQPNED
 CLYLNVVYPTEDVKRISKECARKPNKKICRKGSSGAKKQGEDLADNDGDEDEDIRDSGAKPVMVYIHGGS
 YMEGTGNMIDGSILASYGNVIVITLNYRVGVLGFLSTGDQAAKGNYGLLDQIQALRWVSENIAFFGGDPR
 RITVFGSGIGASCVSLTLSSHSEGLFQRAIIQSGSALSSWAVNYQPVKYTSLLADKVGCVNLDTVDMVD
 CLRQKSAKELVEQDIQPARYHVAFGPVIDGDVIPDDPEILMEQGEFLNYDIMLGVNQGEGLKFVEGVVDP
 EDGVSQDQDFDYSVSNFVDNLYGYPEGKDTLRETIKMYTDWADRDNPETRRKTLVALFTDHWVEPSVVT
 ADLHARYGSPTYFYAFYHHCQSLMKPAWSDAAHGDEVYVFGVPMVGPTDLFPCNF SKNDVML SAVVMTY
 WTNFAKTGDPNKPVPQDTKFIHTKANRFEEVAWSKYNPRDQLYLHIGLKPRVRDHYRATKVAFWKHLVPH
 LYNLHDMFHYTSTTTKVPPDDTTHSSHITRRPNGKTWSTKRPAISPAYSNENAQGSWNGDQDAGPLLVEN
 PRDYSTELSVTIAVGASLLFLNVLAFALYYRKDKRRQEPLRQPSQRGAGAPELGAAPPEEELAAQLQGP
 THHECEAGPPHDLRLTALPDYTLTLRRSPDDIPLMTPNTITMIPNSLVGLQTLHPYNTFAAGFNSTGLP
 HSHSTTRV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

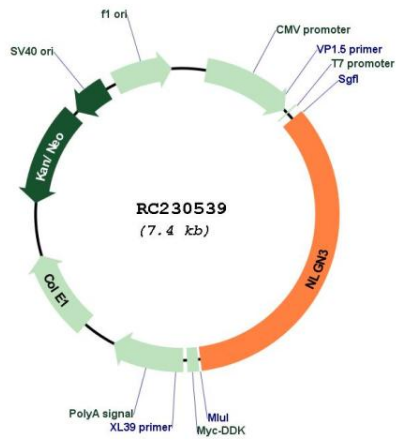
SgfI-MluI

Cloning Scheme:



ACCN:	NM_181303
ORF Size:	2544 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
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.
RefSeq:	NM_181303.2
RefSeq ORF:	2547 bp
Locus ID:	54413
UniProt ID:	Q9NZ94
Cytogenetics:	Xq13.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs)
MW:	94.3 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 RC230539