

Product datasheet for **SC329144**

Neuroigin 3 (NLGN3) (NM_001166660) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neuroigin 3 (NLGN3) (NM_001166660) Human Untagged Clone
Tag:	Tag Free
Symbol:	Neuroigin 3
Synonyms:	HNL3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001166660, the custom clone sequence may differ by one or more nucleotides

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ATGTGGCTGCGGCTTGGCCCGCCCTCGCTGTCCCTGAGCCCCAAGCCACGGTTGGCAGG
AGCCTGTGCCTCACCCCTGTGGTTCTCAGTTTGGCGCTGAGGGCCAGTACCCAGGCCCA
GCACCCACAGTCAACACTCACTTTGGGAAGCTAAGGGGTGCCCGAGTACCACTGCCAGT
GAGATCCTGGGGCCTGTGGACCAATACCTGGGGGTGCCCTACGCAGCTCCCCCGATCGGC
GAGAAACGTTTCTGCCCCCTGAACACCCCATCCTGGTGGGCATCCGGAACGCCACA
CACTTTCCCCCAGTGTGCCCCAGAACATCCACACAGCTGTGCCGAAGTCATGCTGCCG
GTCTGGTTCACTGCCAATTGGATATCGTCGCTACTTACATCCAGGAGCCCAACGAAGAC
TGTCTCTACCTGAACGTCTATGTGCCGACGGAGGATGACATCCGGGACAGTGGTGCTAAA
CCCCTCATGGTCTACATCCAGGAGGCTTTACATGGAAGGGACAGGCAACATGATTGAT
GGCAGCATCCTCGCCAGTTATGGCAATGTCATCGTCATCACCCCTCAACTATCGGGTTGGA
GTGCTAGTTCCTGAGTACTGGAGATCAGGCTGCCAAGGGCAACTATGGGCTCCTTGAC
CAGATCCAGGCCCTCCGCTGGGTGAGCGAGAATATTGCCCTTCTCGGGGAGACCCCGC
CGGATCACTGTCTTTGGCTCGGGCATTGGTGCATCCTGCGTCAGCCTCCTCACGTTGTCA
CATCACTCAGAGGGACTTTCCAGAGAGCCATCATCCAAAGTGGCTCTGCTCTGTCCAGC
TGGGCTGTGAACTACCAACCAGTGAAGTACACCAGCCTGCTGGCAGACAAAGTGGGCTGT
AATGTGCTGGACACCGTGGATATGGTGGACTGTCTTCGGCAAAGAGTGCCAAGGAGCTG
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ATCATGCTAGGTGTAACCAGGGCGAGGGTCTCAAGTTTGTGGAAGGGGTGGTGGACCT
GAGGATGGTGTCTCTGGCACTGACTTTGACTATTCCGCTCCAATTTGTGGACAATCTG
TATGGCTATCCTGAGGGTAAGGACACCCTGCGAGAGACCATCAAGTTCATGTATACAGAC
TGGGCAGACCGTGACAACCCCTGAGACCCCGCTAAAACACTGGTGGCACTCTTCACTGAC
CACCAGTGGGTGGAGCCCTCAGTGGTGACAGCCGATCTGCATGCCCGCTACGGCTCGCCT
ACCTACTTCTACGCCTTCTATCATCACTGCCAGAGCCTCATGAAGCCTGCTTGGTCAGAT
GCAGCTCATGGGGATGAAGTACCCTATGTTTTTGGGGTTCCTATGGTAGGCCCACTGAC
CTTTTCCCTGCAACTTCTCCAAGAATGATGTTATGCTCAGTGTGTCGTCATGACCTAT
TGGACCAACTTTGCCAAGACTGGGGATCCCAACAAGCCGGTCCCCCAGGACACCAAGTTC
ATTCACACCAAGGCCAACCGCTTTGAGGAAGTGGCCTGGTCCAAATACAATCCCCGAGAC
CAGCTCTACCTTACATCGGGCTGAAACCAAGGGTCCGAGATCATTACCGGGCCACTAAG
GTGGCCTTTTGGAAACATCTGGTCCCCACCTATACAACCTGCATGACATGTTCCACTAT
ACGTCCACCACCAAAAGTGCCGCTCCGGATACCACCCACAGCTCCACATCACCCGC
AGGCCCAATGGCAAGACCTGGAGCACCAGCGGCCAGCCATCTCACCTGCCTACAGCAAC
GAGAATGCCCAGGGGTCTGGAACGGGGACCAGGATGCAGGGCCACTCCTGGTGGAGAAC
CCTCGTACTACTCCACTGAATTAAGTGTACCATCGCCGTGGGGCCTCCCTCCTGTTC
CTTAACGTTTCTGGCCTTCGCTGCCCTCTACTACCGTAAGGACAAACGGCGCCAGGAGCC
CTGCGGCAGCCTAGCCCTCAGCGGGGAGCCGGGGCCCCGGAGTTGGGAGCTGCTCCAGAG
GAGGAGCTGGCAGCATTACAACCTGGGCCCCACCCACCAGAGTGTGAGGCCGGTCCCCCC
CATGACACGCTGCGCCTCACTGCATTGCCGACTACACCCTGACCCTGCGGCGCTCCCCG
GATGACATCCCACTCATGACCCCAACACCATCACTATGATCCCCAACTCCCTGGTAGGG
CTGCAGACATTGCACCCCTATAACACCTTTGCCGAGGGTTCAACAGTACCGGGCTGCC
CACTCACACTCCACTACCCGGGTATAG
    
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Restriction Sites: Please inquire

ACCN: NM_001166660

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001166660.1</u> , <u>NP_001160132.1</u>
RefSeq Size:	3875 bp
RefSeq ORF:	2427 bp
Locus ID:	54413
UniProt ID:	<u>Q9NZ94</u>
Cytogenetics:	Xq13.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs)
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) lacks two alternate in-frame exons in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform 3), compared to isoform 1.</p>