

Product datasheet for **SC329177**

Neuroigin 3 (NLGN3) (NM_181303) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neuroigin 3 (NLGN3) (NM_181303) 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_181303, the custom clone sequence may differ by one or more nucleotides

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ATGTGGCTGCGGCTTGGCCCGCCCTCGCTGTCCCTGAGCCCCAAGCCACGGTTGGCAGG
AGCCTGTGCCTCACCCCTGTGGTTCTCAGTTTGGCGCTGAGGGCCAGTACCCAGGCCCA
GCACCCACAGTCAACACTCACTTTGGGAAGCTAAGGGGTGCCCGAGTACCACTGCCAGT
GAGATCCTGGGGCTGTGGACCAATACCTGGGGGTGCCCTACGCAGCTCCCCCGATCGGC
GAGAAACGTTTCTGCCCCCTGAACACCCCATCTGGTTCGGGCATCCGGAACGCCACA
CACTTTCCCCCAGTGTGCCCCAGAACATCCACACAGCTGTGCCGAAGTCATGCTGCCG
GTCTGGTTCACTGCCAATTGGATATCGTCGCTACTTACATCCAGGAGCCCAACGAAGAC
TGTCTCTACCTGAACGTCTATGTGCCGACGGAGGATGTAAGCGGATTTCCAAGGAATGC
GCCCGAAAGCCCAACAAGAAAATTTGTAGGAAAGGAGGATCCGGCGCTAAGAAACAGGGC
GAGGACTTAGCGGATAATGACGGGGATGAAGATGAAGACATCCGGGACAGTGGTGTAA
CCCGTCATGGTCTACATCCAGGAGGCTTTACATGGAAGGGACAGGCAACATGATTGAT
GGCAGCATCCTCGCCAGTTATGGCAATGTCATCGTCATACCCTCAACTATCGGGTTGGA
GTGCTAGGTTTCTGAGTACTGGAGATCAGGCTGCCAAGGGCAACTATGGGCTCCTTGAC
CAGATCCAGGCCCTCCGCTGGGTGAGCGAGAATATTGCCTTCTCGGGGAGACCCCGC
CGGATCACTGTCTTTGGCTCGGGCATTGGTGCATCCTGCGTCAGCCTCCTCACGTTGTCA
CATCACTCAGAGGGACTTTTCCAGAGAGCCATCATCAAAGTGGCTCTGCTGTGCCAGC
TGGGCTGTGAACTACCAACCAGTGAAGTACACCAGCCTGCTGGCAGACAAAGTGGGCTGT
AATGTGCTGGACACCGTGGATATGGTGGACTGTCTTCGGCAAAGAGTGCCAAGGAGCTG
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GATGTCATTCCTGATGACCCTGAGATCCTCATGGAGCAGGGCGAGTTCTCAACTATGAC
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TGGGCAGACCGTGACAACCCTGAGACCCGCCGTA AAAACTGGTGGCACTTTCACTGAC
CACCAGTGGTGGAGCCCTCAGTGGTGACAGCCGATCTGCATGCCCGCTACGGCTCGCT
ACCTACTTCTACGCCTTCTATCACTGCCAGAGCCTCATGAAGCCTGCTTGGTCAGAT
GCAGCTCATGGGGATGAAGTACCCTATGTTTTGGGGTTCCTATGGTAGGCCCACTGAC
CTTTTCCCCTGCAACTTCTCAAGAATGATGTTATGCTCAGTGTGTCGTCATGACCTAT
TGGACCAACTTTGCCAAGACTGGGGATCCCAACAAGCCGGTCCCCCAGGACCAAGTTC
ATTCACACCAAGGCCAACCGCTTTGAGGAAGTGGCCTGGTCCAAATACAATCCCCGAGAC
CAGCTCTACCTTACATCGGGCTGAAACCAAGGGTCCGAGATCATTACCGGGCCACTAAG
GTGGCCTTTTGGAAACATCTGGTGCCCCACCTATAACAACCTGCATGACATGTTCCACTAT
ACGTCCACCACCACAAAGTGCCGCTCCGGATACCACCACAGCTCCCACATCACCCGC
AGGCCCAATGGCAAGACCTGGAGCACCAGCGGCCAGCCATCTCACCTGCCTACAGCAAC
GAGAATGCCCAGGGTCTGGAACGGGGACCAGGATGCAGGGCCACTCCTGGTGGAGAAC
CCTCGTGACTACTCCACTGAATTAAGTGTACCATCGCCGTGGGGCCTCCCTCCTGTTT
CTTAACGTTCTGGCCTTCGCTGCCCTCTACTACCGTAAGGACAAAACGGCGCCAGGAGCCC
CTGCGGACGCCTAGCCCTCAGCGGGGAGCCGGGGCCCGGAGTTGGGAGCTGCTCCAGAG
GAGGAGCTGGCAGCATTACAACGGGCCACCACCACGAGTGTGAGGCGGGTCCCCC
CATGACACGCTGCGCCTCACTGCATTGCCGACTACACCCTGACCCTGCGGCGCTCCCCG
GATGACATCCCACTCATGACCCCAACACCATCACTATGATCCCCAACTCCCTGGTAGGG
CTGCAGACATTGCACCCCTATAACACCTTTGCCGAGGGTTCAACAGTACCGGGCTGCC
CACTCACACTCCACTACCCGGGTATAG

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Restriction Sites: Please inquire

ACCN: NM_181303

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_181303.1</u> , <u>NP_851820.1</u>
RefSeq Size:	3995 bp
RefSeq ORF:	2547 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 (1) represents the longest transcript and encodes the longest isoform (1).</p>