

## Product datasheet for **SC324313**

### Neuroigin 1 (NLGN1) (NM\_014932) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Neuroigin 1 (NLGN1) (NM_014932) Human Untagged Clone
Tag:	Tag Free
Symbol:	Neuroigin 1
Synonyms:	NL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_014932.2  
 CCACGCGTCCGCCACCGACTCCTGCCCGCTCAACACAATGCCTTACCTGTGAAGCTTGA  
 GGCCACTCAAGTTCCAAATTTGTGACAAATCCCCAGGGCTCACTGGAGTGGCAGATATA  
 GACCTGCAGCTAACTGGATTTGATTTATAAGAGAGAAATCTGCAGTCAATGCCACTCTT  
 GCCACACTGCTAATATGGAAAACAGAATGTTCAATAGGATATGGTCTGATAAATAGTGAT  
 GATTGAAGATGCTGCTCCAATACATGTGAAATCAATGGGAGATATCTGCTGTCCGAAGAT  
 CTTTCAGAGCTTTTCTCGACAAGCTCCCCTGTAAGAAATCGGAGGTATATTCTACCATTA  
 TACAGTCTTTCTCAAGTGGATATAAATACGTTTGCCTCACTGTAACCAGACAAGTACACA  
 ACTAATGTGGGACCATGGCACTGCCAGATGCACGTGGCCAAATATGTTTGGAGAGCAG  
 TGATGGCATGCTTGGTACACCGGGATTGGGTGCCCATTGACTCTCTGTATGTTGGGAT  
 GTTTGCTTCAGGCTGGCCATGTGCTATCACAAAATTGGATGATGTGGACCCACTGGTGG  
 CTACCAACTTTGGAAAGATAAGAGGGATTAAAGAAAGAACTCAATAATGAAATTTGGGGC  
 CTGTTATTCAATTTCTTGGGGTTCCATATGCAGCCCCACCAACAGGGGAACGTCGTTTTTC  
 AGCCTCCAGAACCACCATCTCCCTGGTCAGATATCAGAAATGCCACTCAATTTGCTCCTG  
 TGTGTCCCCAGAATATCATTGATGGCAGATTGCCAGAAGTCATGCTTCTGTGTGGTTTA  
 CTAATAACTTGGATGTGGTTTCATCATATGTGCAAGACCAGAGCGAAGACTGCCTATATT  
 TAAATATATATGTCCCGACTGAGGATGATATTCGGGACAGTGGGGTCCCAAACCAAGTGA  
 TGGTGTATATCCATGGTGGCTCATATATGGAAGTACTGGAAATTTATATGATGGAAGTG  
 TCTTGGCAAGTTATGGCAATGTGATCGTCATCACAGTCAACTATCGACTTGGAGTACTCG  
 GTTCTTGAGTACAGGCGATCAGGCTGCAAGGGGAACTATGGACTCCTTGATCTCATAAC  
 AAGCTTTAAGATGGACTAGTGAACAACTTGGATTCTTTGGTGGTACCCCTTAAGAATCA  
 CTGTTTTTGGATCTGGTCTGGGGTTCATGTGTCAACCTGCTGACTTTATCCCATTATT  
 CTGAAGGTAACCGTTGGAGCAATTCAACCAAAGGACTTTTTCAACGAGCAATAGCTCAA  
 GTGGAACAGCCCTTTCCAGCTGGGCTGTTAGTTTTCAACCTGCAAAATATGCTAGAATGT  
 TGGCCACAAAAGTTGGTGTCAATGTTTCAGATACAGTAGAGTTAGTGGAAATGCCTACAGA  
 AGAAGCCTTACAAGAAGTTGTTGACCAAGATATTCAACCAGCTCGATACCACATAGCCT  
 TTGGACCTGTGATTGATGGTGTGTAATACCAGACGACCCCGATATTGATGGAGCAAG



[View online »](#)

GAGAGTTTCTCAACTATGATATAATGTTAGGAGTGAACCAAGGGGAAGGGTTAAAATTTG  
 TTGAAAATATAGTAGATAGCGATGATGGTATATCAGCTAGTGATTTTGACTTTGCTGTTT  
 CAAATTTTGTGATAATTTATATGGATATCCTGAAGGCAAAGATGTTTTGAGAGAAACCA  
 TTAAGTTCATGTATACTGACTGGGCTGACCGTCATAACCTGAAACCAGAAGAAAGACAT  
 TACTGGCTTTGTTACGGACCATCAGTGGGTGGCACCAGCTGTAGCCACAGCGGATCTTC  
 ACTCAAATTTGGTTACCTACGTACTTCTATGCCTTTTACCATCATTGCCAAACAGATC  
 AGGTTCCAGCTTGGGCTGATGCAGCCACGGAGACGAGGTTCCCTATGTACTGGGAATCC  
 CCATGATTGGCCCTACAGAGTTATTTCCCTGCAATTTCTCCAAAATGATGTGATGCTGA  
 GTGCAGTTGTAATGACATACTGGACAAATTTTGCTAAAACCTGGTGACCCAAATCAACCAG  
 TCCCTCAAGACACGAAATTCATTCATACCAAACCAACCGTTTTGAAAGAAGTAGCATGGA  
 CCAGATATTTCCAGAAAGACCAACTTTATCTCCATATTGGATTAACCAAGAGTTAAAG  
 AACATTACAGAGCCAATAAGGTGAACCTCTGGTTGGAGTTGGTACCTCATCTGCATAATC  
 TCAATGACATTTCTCAGTATACCTCTACAACAATAAAGTGCCATCAACTGACATCACTT  
 TCAGACCTACGAGAAAAAATTCTGTACCTGTACGTACGCTTTCCCACTGCCAAGCAGG  
 ATGATCCCAAACAACAACCAAGTCCATTTTCAGTGGATCAAAGGGACTACTCAACAGAGC  
 TGAGTGTCACTATTGCAGTTGGAGCATCACTGCTGTTTCTGAACATCTTGGCCTTTGCAG  
 CCCTGTACTACAAAAGGATAAGAGGAGACATGATGTTCCAGGAGATGCAGCCCTCAGC  
 GCACTACTACCAATGATCTAACCATGCACAAGAAGAGGAAATCATGTCCCTCCAATGA  
 AGCACACTGATTTGGATCATGAATGTGAGTCCATTATCCACATGAGGTGGTTCTTCGGA  
 CCGCCTGTCCCCAGATTACACTAGCTATGAGGAGGTCACCTGATGATGTTCCCTTAA  
 TGACACCAACACCATTACAATGATTTCCCAACTATACCAGGGATTGAGCCCTTACACA  
 CATTCAATACATTTACTGGAGGACAGAACAATACTCTGCCCCATCCCCATCCCCACCCCC  
 ATTCACATTCACAACCAGGGTATAGCCAGATAAGAGAAACAACTATTTTTTTTGTAGG  
 ATTGCAGTAAACGATCACTGAAGATTCCCTGGCTTTCAACCTACAAGACTTACTATTTAA  
 ATAAGGAGGAATATTATGTGAATATACATATCAAGAACCTTTGGGGTTTTGAAAAAATG  
 AATTGTATATACAAATCAACTTTAAAAACAAATTTCAATTGCTTGAAGCAATTGTTCT  
 GAATGATACTTTTTCATTACATTCAAGAATTAATTTTTTGAAGATTTAAGTTACATAAT  
 GGAATTAGGCATGTGGAACACCAACAGGAAAGAACTATGTCTGAAATATAAAAAA  
 AAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM\_014932
- 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_014932.2</a> , <a href="#">NP_055747.1</a>
<b>RefSeq Size:</b>	4918 bp
<b>RefSeq ORF:</b>	2472 bp
<b>Locus ID:</b>	22871
<b>UniProt ID:</b>	<a href="#">Q8N2Q7</a>
<b>Cytogenetics:</b>	3q26.31
<b>Domains:</b>	COesterase
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Cell adhesion molecules (CAMs)
<b>Gene Summary:</b>	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. [provided by RefSeq, Jul 2008]