

Product datasheet for **SC314795**

Neuroigin 2 (NLGN2) (NM_020795) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neuroigin 2 (NLGN2) (NM_020795) Human Untagged Clone
Tag:	Tag Free
Symbol:	Neuroigin 2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC314795 sequence for NM_020795 edited (data generated by NextGen Sequencing)

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ATGTGGCTCCTGGCGCTGTGTCTGGTGGGGCTGGCGGGGCTCAACGCGGGGAGGGGGTCCCGGGCGCG
GCGCCCCGGGCGGCCCGGCTGGGCTCGGCAGCCTCGGCGAGGAGCGCTTCCCGTGGTGAACACGGC
CTACGGGGAGTGC CGGTGTGCGGCGGAGCTCAACAACGAGATCCTGGCCCCGTCGTGCAATTCTTG
GGCGTGCCCTACGCCACGCCGCCCTGGGCGCCGCGCTTCCAGCCGCTGAGGCGCCCGCTCGTGGC
CCGGCGTGC GCAACGCCACCACCCTGCCGCCGCTGCCCGCAGAACCTGCACGGGGCGTGC GCCCAT
CATGCTGCCTGTGTGGTTCACCGACAATTGGAGGCGGCCACCTACGTGCAGAACGAGAGCGAGGAC
TGCCTGTACCTCAACCTTACGTGCCACCGAGGACGGTCCGCTCACAAAAAACGTGACGAGGCGACGC
TCAATCCGCCAGACAGATATCCGTGACCCTGGGAAGAAGCCTGTGATGCTGTTTCTCCATGGCGGCTC
CTACATGGAGGGGACCGAAACATGTTGATGGCTCAGTCTGGTGCCTATGGCAACGTCATTGTAGCC
ACGCTCAACTACCGTCTTGGGGTCTCGGTTTTCTCAGCACGGGGACCAGGCTGCAAAAGGCAACTATG
GGCTCCTGGACCAGATCCAGGCCCTGCGTGGCTCAGTAAAACATCGCCCACTTTGGGGGCGACCCCGA
GGGTATACCATCTTTGGTTCGGGGCAGGGGCCCTCCTGCGTCAACCTTCTGATCCTCTCCACCATTTCA
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CGCTCAAGTACACGCGGCTGCTGGCAGCCAAGGTGGGCTGTGACCGAGAGGACAGTGTGAAGCTGTGGA
GTGTCTGCGCCGAAGCCCTCCCGGAGCTGGTGGACCAGGACGTGCAGCCTGCCGCTACCACATCGCC
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GTGCCACCGACCTCTTCCCTGTAACCTTCTCAAGAATGACGTGATGCTCAGTGGCGTGGTGCATGACCTA
CTGGACCAACTTCGCAAGACTGGGGACCCCAACCAGCCGGTGGCGCAGGATACCAAGTTCATCCACACC
AAGCCCAATCGTTCGAGGAGGTGGTGTGGAGCAAATTCACAGCAAGGAGAAGCAGTATCTGCACATAG
GCCTGAAGCCACGCGTGGTGCACACTACCGCGCAACAAGGTGGCTTCTGGCTGGAGCTCGTGCCCA
CCTGCACAACCTGCACACGGAGCTTTCACCACCACCACGCGCTGCCTCCCTACGCCACGCGCTGGCCG
CCTCGTCCCCCGCTGGCGCCCGGGCACACGCCGGCCCCCGCCGCTGCCACCTGCCTCCCGAGCCCG
AGCCCCAGCCCGCCCAAGGGCCTATGACCGCTTCCCCGGGGACTCACGGGACTACTCCACGGAGCTGAG
CGTCAACGTTGGCGTGGGTGCCTCCCTCCTTCTCAACATCCTGGCCTTTGCTGCCCTTACTACAAG
CGGGACCGGCGGAGGAGCTGCGGTGCAGGCGGCTTAGCCACCTGGCGGCTCAGGCTCTGGCGTGCCTG
GTGGGGGCCCCCTGCTCCCCGCGGGGCGGTGAGCTGCCACCAGAGGAGGAGTGGTGTACTGCAGCT
GAAGCGGGGTGGTGGCGTGGGGCGGACCTGCCGAGGCTCTGCGCCCTGCCTGCCCGCCGACTACACC
CTGGCCCTGCGCCGGGACCGGACGATGTGCCTCTTTGGCCCCGGGGCCCTGACCTGCTGCCAGTG
GCCTGGGGCCACCGCCACCCCAACCGCCCCCTCCCTTATCCCTTCGGGCCCTTCCCCCGCCCCCTCC
CACCGCTACCAGCCACAACAACGCTACCCACCCCACTCCACCACTCGGGTATAG
    
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Clone variation with respect to NM_020795.3
 966:t=>c 1143:t=>c 2457:t=>c

Restriction Sites: Please inquire
ACCN: NM_020795
Insert Size: 4600 bp

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_020795.2</u> , <u>NP_065846.1</u>
RefSeq Size:	4646 bp
RefSeq ORF:	2508 bp
Locus ID:	57555
UniProt ID:	<u>Q8NFZ4</u>
Cytogenetics:	17p13.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs)
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. [provided by RefSeq, Jul 2008]