

Product datasheet for **SC326827**

Neuroigin 4 (NLGN4Y) (NM_001164238) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neuroigin 4 (NLGN4Y) (NM_001164238) Human Untagged Clone
Tag:	Tag Free
Symbol:	Neuroigin 4
Synonyms:	HNL4Y
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001164238, the custom clone sequence may differ by one or more nucleotides

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ATGTTGCGTCCCCAGGGACTGCTATGGCTCCCTTTGTTGTTACCTCTGTCTGTGTCATG
TTAAACTCCAATGTTCTTCTGTGGATAACTGCTCTTGCCATCAAGTTCACCCTCATTGAC
AGCCAAGCACAGTATCCAGTTGTCAACACAAATTATGGTAAAATCCAGGGCCTAAGAACA
CCATTACCAGTGAGATCTTGGGTCCAGTGGAGCAGTACTTAGGGGTCCCCTATGCCTCA
CCCCCACTGGAGAGAGGGCGTTTCAGCCACCAGAATCCCCATCCTCCTGGACTGGCATT
CGAAATGCTACTCAGTTTTCTGCTGTGTGCCCCAGCACCTGGATGAAAGATTCTTATTG
CATGACATGCTGCCCATCTGGTTTACCACCAGTTGGATACTTTGATGACCTATGTTCAA
GATCAAAATGAAGACTGCCTTTACTTAAACATCTATGTGCCCATGGAAGATGGAACCAAC
ATAAAGAGAAATGCAGACGATATAACCAGTAATGACCATGGTGAAGATAAAGATATTCAT
GAACAGAACAGTAAGAAGCCTGTTATGGTCTATATCCATGGGGGATCTTACATGGAGGGA
ACCGGTAACATGATTGATGGCAGCATTTTGCCAGCTATGGGAACGTCATCGTTATCACC
ATTAACTACCGTCTGGGAATACTAGGTATGCAAGAGGCACGTTTGTGTGGGAGCTCAAAA
ATGTTTAAATTATTTAAATCTCCTTTCACCTAATTAATAAATTTTTTT
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Restriction Sites:	Please inquire
ACCN:	NM_001164238
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).



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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_001164238.1</u> , <u>NP_001157710.1</u>
RefSeq Size:	882 bp
RefSeq ORF:	771 bp
Locus ID:	22829
UniProt ID:	<u>Q8NFZ3</u>
Cytogenetics:	Yq11.221
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>This gene encodes a type I membrane protein that belongs to the family of neuroligins, which are cell adhesion molecules present at the postsynaptic side of the synapse, and may be essential for the formation of functional synapses. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Mar 2011]</p> <p>Transcript Variant: This variant (2) lacks several exons from the 3' end, and contains 2 alternate exons, including the 3' terminal exon, compared to variant 1. This results in a frameshift, and a shorter isoform (2) with a distinct C-terminus compared to isoform 1.</p>