

Product datasheet for **SC329846**

Neuroigin 4 (NLGN4Y) (NM_001206850) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neuroigin 4 (NLGN4Y) (NM_001206850) Human Untagged Clone
Tag:	Tag Free
Symbol:	NLGN4Y
Synonyms:	HNL4Y
Vector:	pCMV6-Entry (PS100001)

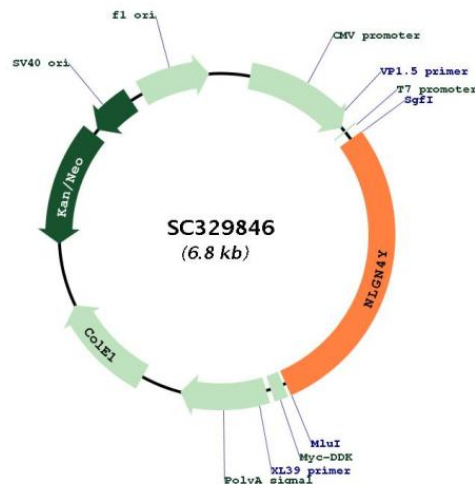


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Fully Sequenced ORF: >SC329846 representing NM_001206850.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGTCTATATCCATGGGGATCTTACATGGAGGGAACCGTAACATGATTGATGGCAGCATTTTGGCC
AGCTATGGGAACGTCATCGTTATCACCATTAACACCGTCTGGGAATACTAGGGTTTTTAAGTACCGGT
GACCAGGCAGCAAAGGCAACTATGGGCTCCTGGATCAGATTCAAGCACTGAGGTGGATTGAGGAGAAT
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AGCCTGTTGACCCTGTCCACTACTCAGAAGGTCTCTTCCAGAAGGCCATTCATTCAGAGCGGCACTGCC
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TCGCCGGATGACATCCCATTTATGACGCCAAAACCATCACCATGATTCCAAACACATTGATGGGGATG
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ACCACTAGAGTAG
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001206850

Insert Size: 1947 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).

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:

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: [NM_001206850.1](#)

RefSeq Size: 5079 bp

RefSeq ORF: 1947 bp

Locus ID: 22829

UniProt ID: [Q8NFZ3](#)

Cytogenetics: Yq11.221

Protein Families: Druggable Genome, Transmembrane

MW: 72.9 kDa

Gene Summary:

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]

Transcript Variant: This variant (3) contains several differences compared to variant 1, which results in translation initiation from an in-frame downstream AUG, and an isoform (3) with a shorter N-terminus compared to isoform 1.