

## Product datasheet for **RC239622**

### Neuroigin 4 (NLGN4X) (NM\_001282146) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Neuroigin 4 (NLGN4X) (NM_001282146) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Neuroigin 4
Synonyms:	ASPGX2; AUTSX2; HLNX; HNL4X; NLGN4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RC239622 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCACGGCCCCAGGGACTGCTATGGCTTCCTTTGTTGTTACCCCGGTCTGCGTCATGTTAAACTCCA  
 ATGTCCTCCTGTGGTTAACTGCTCTTGCCATCAAGTTCACCCCTATTGACAGCCAAGCACAGTATCCAGT  
 TGTC AACACAAATTATGGCAAAATCCGGGGCCTAAGAACACCGTTACCCAATGAGATCTTGGGTCCAGTG  
 GAGCAGTACTTAGGGGTCCCCTATGCCTCACCCCCACTGGAGAGAGCGGTTTCAGCCCCAGAACCCC  
 CGTCTCCTGGACTGGCATCCGAAATACTACTCAGTTTGTGCTGTGCCCCCAGCACCTGGATGAGAG  
 ATCCTTACTGCATGACATGCTGCCCATCTGGTTTACCGCAATTTGGATACTTTGATGACCTATGTTCAA  
 GATCAAAATGAAGACTGCCTTTACTTAAACATCTACGTGCCACGGAAGATGATATTCATGATCAGAACA  
 GTAAGAAGCCCGTCATGGTCTATATCCATGGGGGATCTTACATGGAGGGCACCGGCAACATGATTGACGG  
 CAGCATTTTGGCAAGCTACGGAACGTCATTGTGATCACCATTAACCTACCGTCTGGGAATACTAGGGTTT  
 TTAAGTACCGGTGACCAGGCAGCAAAAGGCAACTATGGGCTCCTGGATCAGATTC AAGCACTGCGGTGGA  
 TTGAGGAGAATGTGGGAGCCTTTGGCGGGACCCCAAGAGAGTGACCATCTTTGGCTCGGGGGCTGGGGC  
 CTCCTGTGTGACGCTGTTGACCCGTGCCACTACTCAGAAGGTCTCTTCCAGAAGGCCATCATTAGAGC  
 GGCACCGCCCTGTCCAGCTGGGACGTAAGTACCAGCCGCAAGTACACTCGGATATTGGCAGACAAGG  
 TCGGCTGCAACATGCTGGACACCACGGACATGGTAGAATGCCTGCGGAACAAGAATAACAAGGAGTCAT  
 CCAGCAGACCATCACCCCGCCACCTACCATAGCCTTCGGGCCGATCGACGGCGAGCTATCCCA  
 GACGACCCCGAGTCTGATGGAGCAAGCGAGTTCCTCAACTACGACATCATGCTGGGCGTCAACCAAG  
 GGAAGGCTGAAGTTCGTGGACGGCATCGTGGATAACGAGGACGGTGTGACGCCCAACGACTTTGACTT  
 CTCCTGTCCAACCTTCGTGGACAACCTTTACGGCTACCCTGAAGGAAAGACACTTTGCGGGAGACTATC  
 AAGTTCATGTACACAGACTGGGCGGATAAGGAAAACCCGAGACGCGGGGAAAACCTGGTGGCTCTCT  
 TTAAGTACAGTGGGTGGCCCGCGGTGGCCACCGCGACCTGCACGCGCAGTACGGCTCCCCAC  
 CTACTTCTATGCCTTCTATCATCACTGCCAAAGCGAAATGAAGCCAGCTGGGCAGATTCGGCCATGGT  
 GATGAGGTCCCCTATGTCTTCGGCATCCCATGATCGGTCCCACCGAGCTCTTCACTTTGAACTTTTCCA  
 AGAACGACGTGCTCAGCGCCGTGGTACATGACCTACTGGACGAACTTCGCCAAAACCTGGTATCCAAA  
 TCAACCAGTTCCTCAGGATACCAAGTTCATTACACAAAACCCAAACCGCTTTGAAGAAGTGGCTGGTCC  
 AAGTATAATCCCAAAGACAGCTCTATCTGCATATTGGCTTGAACCCAGAGTGAGAGATCACTACCGGG  
 CAACGAAAGTGGCTTTCTGGTTGAACTCGTTCCTCATTGACACAACCTGAACGAGATATCCAGTATGT  
 TTCAACAACCAAAAGGTTCTCCACCAGACATGACATCATTTCCCTATGGCACCCCGCGATCTCCCGCC  
 AAGATATGGCAAACCAAAACGCCAGCAATCACTCCTGCCAACAATCCCAAACACTCTAAGGACCCCTC  
 ACAAACAGGGCCTGAGGACACAACCTGTCTCATTGAAACCAAACGAGATTATCCACCGAATTAAGTGT  
 CACCATTCGCGTCGGGGCGTCTCTCTTCTCAACATCTTAGCTTTTGGCGGCTGTACTACAAAAG  
 GACAAGAGGCGCCATGAGACTCACAGGCGCCCCAGTCCCAGAGAAACACCACAAATGATATCGCTCACA  
 TCCAGAACGAAGAGATCATGTCTCTGCAGATGAAGCAGCTGGAACACGATCACGAGTGTGAGTCTGCA  
 GGCACACGACACTGAGGCTCACCTGCCCGCCAGACTACACCTCACGCTGCGCCGGTCGCCAGATGAC  
 ATCCCCTTATGACGCCAAACACCATCACCATGATTCCAACACACTGACGGGGATGCAGCTTTGCACA  
 CTTTTAACACCTTCAGTGGAGGACAAAACAGTACAAATTTACCCACGGACATTCACCACCTAGAGTA

**ACGCGT**ACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC239622 protein sequence  
Red=Cloning site Green=Tags(s)

MSRPQGLLWPLLFTPVCVMLNSNVLLWLTALAIKFTLIDSQAQYPVVNTNYGKIRGLRTPLPNEILGPV  
EQYLGVPYASPTGERRFPPEPPSSWTGIRNTTQFAAVCPQHLDERSLLHDMLPIWFTANLDTLMTYVQ  
DQNEDECLYLNIIYVPTEDDIHDQNSKKPVMVYIHGGSYMEGTGNMIDGSILASYGNVIVITINYRLGILGF  
LSTGDQAAKGNYGLLDQIQALRWIEENVGAFGGDPKRVTFGSGAGASCVSLTLTSHYSEGLFQKAIQS  
GTALSSWAVNYQPAKYTRILADKVGCMMLDTTDMVECLRKNKYKELIQQTITPATYHIAFGPVIDGDVIP  
DDPQILMEQGEFLNYDIMLGVNQGEGLKFVDGIVDNEGDVTPNDFDFSVSNFVDNLYGYPEGKDTLRETI  
KFMYTDWADKENPERRKTLVALFTDHQWVAPAVATADLHAQYGSPTYFYAFYHHCQSEMKPSWADSAHG  
DEVVYVFGIPMIGPTLFSNFSKNDVMLSAVVMYWTNFAKTGDPNQVPQDTKFIHTKPNRFEEVAWS  
KYNPKDQLYLHIGLKPRVRDHYRATKVAFWLELVPHLHNLNEIFQYVSTTTKVPPDMTSFPYGTRRSPA  
KIWPTTKRPAITPANNPKHSDPHKTGPEDTTVL IETKRDYSTELSVTIAVGASLLFLNILAFAALYYKK  
DKRRHETHRRPSPQRNTNDIAHIQNEEIMSLQMKQLEHDHECESLQAHTLRLTCPDPYTLTLRRSPDD  
IPLMTPNTITMIPNTLTGMQPLHTFNTFSGGQNSTNLPHGHSTTRV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6690\\_h08.zip](https://cdn.origene.com/chromatograms/mk6690_h08.zip)

**Restriction Sites:** Sgfl-Mlul



**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\\_001282146.1](#), [NP\\_001269075.1](#)

**RefSeq Size:** 5871 bp

**RefSeq ORF:** 2451 bp

**Locus ID:** 57502

**UniProt ID:** [Q8N0W4](#)

**Cytogenetics:** Xp22.32-p22.31

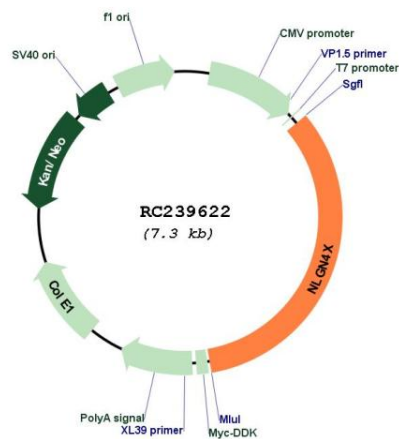
**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Cell adhesion molecules (CAMs)

**MW:** 91.9 kDa

**Gene Summary:** This gene encodes a member of the type-B carboxylesterase/lipase protein family. The encoded protein belongs to 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. The encoded protein interacts with discs large homolog 4 (DLG4). Mutations in this gene have been associated with autism and Asperger syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

### Product images:



Circular map for RC239622