

Product datasheet for **RC239621**

Neuroigin 4 (NLGN4X) (NM_001282145) Human Tagged ORF Clone

Product data:

| | |
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| Product Type: | Expression Plasmids |
| Product Name: | Neuroigin 4 (NLGN4X) (NM_001282145) 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:

>RC239621 representing NM_001282145
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCACGGCCCCAGGGACTGCTATGGCTTCCTTTGTTGTTACCCCGGTCTGCGTCATGTTAAACTCCA
 ATGTCCTCCTGTGGTTAACTGCTCTTGCCATCAAGTTCACCCCTATTGACAGCCAAGCACAGTATCCAGT
 TGTC AACACAAATTATGGCAAAATCCGGGGCCTAAGAACACCGTTACCCAATGAGATCTTGGGTCCAGTG
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 ATCCCCTTATGACGCCAAACCATCACCATGATTTCAAACACACTGACGGGGATGCAGCTTTGCACA
 CTTTTAACACCTTCAGTGGAGGACAAAACAGTACAAATTTACCCACGGACATTCACCCTAGAGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239621 representing NM_001282145
 Red=Cloning site Green=Tags(s)

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MSRPQGLLWLPPLFTVPCVMLNSNVLLWLTALAIKFTLIDSQAQYPVVNTNYGKIRGLRTPLPNEILGPV
EQYLGVPYASPTGERRFPPEPPSSWTGIRNTTQFAAVCPQHLDERSLLHDMLPIWFTANLDTLMTYVQ
DQNEDECLYLNIIYVPTEDDIHDQNSKKPVMVYIHGGSYMEGTGNMIDGSILASYGNVIVITINYRLGILGF
LSTGDQAAKGNYGLLDQIQALRWIEENVGAFGGDPKRVTFGSGAGASCVSLTLTSHYSEGLFQKAIQS
GTALSSWAVNYQPAKYTRILADKVGCMNLDTTDMVECLRKNKYKELIQQTITPATYHIAFGPVIDGDVIP
DDPQILMEQGEFLNYDIMLGVNQGEGLKFVDGIVDNEGDVTPNDFDFSVSNFVDNLYGYPEGKDTLRETI
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DKRRHETHRRPSPQRNTNDIAHIQNEEIMSLQMKQLEHDHECESLQAHTLRLTCPDPYTLTLRRSPDD
IPLMTPNTITMIPNTLTGMQPLHTFNTFSGGQNSTNLPHGHSTTRV
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: 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_001282145.1](#), [NP_001269074.1](#)

RefSeq Size: 6196 bp

RefSeq ORF: 2451 bp

Locus ID: 57502

UniProt ID: [Q8N0W4](#)

Cytogenetics: Xp22.32-p22.31

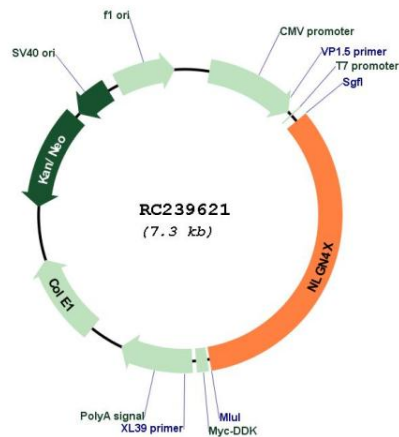
Protein Families: Druggable Genome, Transmembrane

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 RC239621