

Product datasheet for RC219788

Neurexin II alpha (NRXN2) (NM_015080) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neurexin II alpha (NRXN2) (NM_015080) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Neurexin II alpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219788 representing NM_015080 Red=Cloning site Blue=ORF Green=Tags(s)

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GGCTGGGGGTGGAGCTGGCAGCCACAGCTCTGCTCAGCGGGCCGACTACTTTGCCATGGAGCTATTGGAC
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Protein Sequence:

>RC219788 representing NM_015080
Red=Cloning site Green=Tags(s)

MASGSRWRPTPPPLLLLLLALAARADGLEFGGGPGQWARYARWAGAASSGELSFSLRTNATRALLLYLD
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AECPSDDELEECEPSTGGELILPIITEDSLDPPPVATRSFVPPPPTFYFPLTGVGATQDTLPPPAARR
PPSGGPCQAERDDSDCEEP IEASGFASGEVFDSSLPTDDEDFYTFPLVTDRTLLSPRKPAPRPNLRT
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TANPTGPGERGP GAVEVIRESSSTTGMVVGIVAAAALCILILLYAMYKYRNRDEGSYQVDQSRNYISNS
AQSN GAVVKEKAPAAPKTPSKAKKNKDKEYYY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8009_b10.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_015080.4](#)

RefSeq Size: 6616 bp

RefSeq ORF: 5139 bp

Locus ID: 9379

UniProt ID: [Q9P2S2](#)

Cytogenetics: 11q13.1

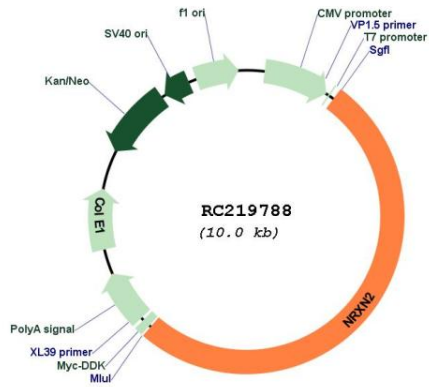
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs)

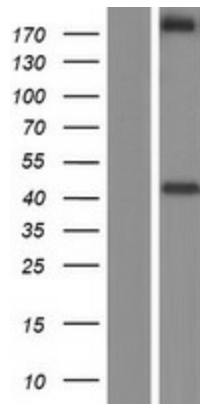
MW: 184.98 kDa

Gene Summary: This gene encodes a member of the neurexin gene family. The products of these genes function as cell adhesion molecules and receptors in the vertebrate nervous system. These genes utilize two promoters. The majority of transcripts are produced from the upstream promoter and encode alpha-neurexin isoforms while a smaller number of transcripts are produced from the downstream promoter and encode beta-neuresin isoforms. The alpha-neurexins contain epidermal growth factor-like (EGF-like) sequences and laminin G domains, and have been shown to interact with neurexophilins. The beta-neurexins lack EGF-like sequences and contain fewer laminin G domains than alpha-neurexins. Alternative splicing and the use of alternative promoters may generate thousands of transcript variants (PMID: 12036300, PMID: 11944992).[provided by RefSeq, Jun 2010]

Product images:



Circular map for RC219788



Western blot validation of overexpression lysate (Cat# [LY414818]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219788 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).