

Product datasheet for SC334120

Neuritin (NRN1) (NM_001278711) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neuritin (NRN1) (NM_001278711) Human Untagged Clone
Tag:	Tag Free
Symbol:	NRN1
Synonyms:	dj380B8.2; NRN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC334120 representing NM_001278711. Blue=Insert sequence Red=Cloning site Green=Tag(s)

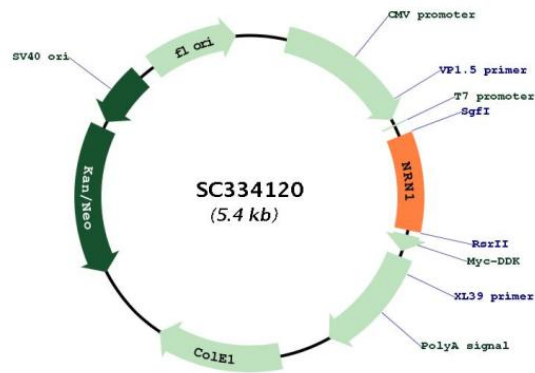
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GCTCGTTTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCACAGCCGCGCGCCCGCAGCCTGACCACTCATCATCCGCGCCAGGTCTCAGGACGTCCAGGCTG
CCCTCTTCCAGCGGGGCGGGAGAGGGTGCATCCGAGGGTCTCACTCGGAATACAGAGTCCACGCGTAT
CTGGTGCAGGCCGTGAGAGCAGCGGGCAAGTGCATGCGGTCTTCAAGGGCTTTTCGGACTGTTTGCTC
AAGCTGGGCGACAGCATGGCCAACACCCGAGGGCCTGGACGACAAGACGAACATCAAGACCGTGTGC
ACATACTGGGAGGATTTCCACAGCTGCACGGTACAGCCCTTACGGATTGCCAGGAAGGGCGAAAGAT
ATGTGGGATAAACTGAGAAAAGAATCCAAAACCTCAACATCCAAGGCAGCTTATTCGAATCTGCGGC
AGCGGCAACGGGGCGGGGTCCTGCTCCCGGCTTCCGGTGTCTCTCTCGGCAGCT
TTAGCGACCTGGCTTTCCTTCTGA
AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: Sgfl-RsrII



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Plasmid Map:



ACCN: NM_001278711

Insert Size: 507 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_001278711.1](#)

RefSeq Size: 1813 bp

RefSeq ORF: 507 bp

Locus ID: 51299

UniProt ID: [Q9NPD7](#)

Cytogenetics: 6p25.1

MW: 18.1 kDa

Gene Summary: This gene encodes a member of the neuritin family, and is expressed in postmitotic-differentiating neurons of the developmental nervous system and neuronal structures associated with plasticity in the adult. The expression of this gene can be induced by neural activity and neurotrophins. The encoded protein contains a consensus cleavage signal found in glycosylphosphatidylinositol (GPI)-anchored proteins. The encoded protein promotes neurite outgrowth and arborization, suggesting its role in promoting neuritogenesis. Overexpression of the encoded protein may be associated with astrocytoma progression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Transcript Variant: This variant (3) differs in its 5' UTR and 5' coding region, and uses an alternate start codon, compared to variant 1. The encoded isoform (2) has a longer and distinct N-terminus, compared to isoform 1.