

## Product datasheet for **MR208266**

### **Nectin1 (NM\_021424) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nectin1 (NM_021424) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nectin1
Synonyms:	AI835281; AW549174; Cd111; HlgR; HveC; nectin-1; PRR; PRR1; Pvr11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208266 representing NM\_021424  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTCGGATGGGGCTTGGGGCGCCGCTGGACGCTGGTGGGACTCGCTCTCGGCTTGACCCGCTTCT  
 TCCTCCCAGGCACTCACACGCAGGTGGTGCAGGTGAACGACTCCATGTATGGCTTCATCGGCACAGATGT  
 GGTACTGCACTGTAGCTTTGCCAACCCACTGCCAGTGTGAAAATCACCCAGGTACATGGCAGAAAGGCC  
 TCCAATGGCTCCAAACAGAACATGGCCATCTACAACCCGACTATGGGTGTGTCCGTGCTGCCTCCCTACG  
 AGAAACGAGTGGAGTTCCCTGCGACCCTCCTTATCGACGGCACCATCCGCCTCTCCGGTCTGGAGCTGGA  
 GGACGAGGGCATGTACATCTGTGAATTTGCCACCTTCCCTACGGGCAACCGTGAAGCCAGCTCAATCTC  
 ACTGTGATGGCCAAACCCACCACTGGATTGAGGGCACCCGGGCGGTGCTTCGAGCCAGGAAGGGACAGG  
 ATGACAAGGTTTTGGTGGCCACCTGCACCTCAGCCAATGGGAAGCCTCCCAGTGGGTGCTCTGGGAAAC  
 ACGGCTAAAGGGCGAGGCAGGTACCAGGAAATTCGGAACCCCAATGGCACCGTGACAGTATCAGCCGT  
 TACCGTTTTGGTGGCCAGCAGGAAGCCACCGGCACTCGCTGGCCTGCATTGTCAACTATCACCTGGACC  
 GCTTCAGGGAGAGCCTTACGCTCAACGTGACAGTGAACCTGAGGTGACCATTGAGGGCTTTGATGGCAA  
 CTGGTACTGCAGCGACAGATGTGAAGCTCACGTGCAAAGCGGATGCTAACCCGCCAGCCACTGAGTAC  
 CACTGGACCACATTGAATGGCTCTCTCCCAAGGGTGTAGAGGCCAGAACAGGACCCTCTTCTCCGGG  
 GACCTATCACCTACAGCTGGCAGGAACCTACATCTGTGAGGCCACCAACCCATTGGCACCCGATCGGG  
 CCAGGTGGAGGTCAATATCACAGAATCCCCTACACCCGACTCCTGAACACGGGCGGCGCCGGGCGAG  
 ATGCCCACAGCCATCATTGGGGCGTGGCAGGGAGTGTCTGCTGGTGTGATTGGTTCGGAGGGATCA  
 TAGTGGCCCTGCGCAGGCGCCGACACCTTCAAGGGTGACTACAGCACCAAGAAGCAGTGTACGGCAA  
 CGGCTACAGCAAGGCAGGCATCCCGCAGCATACCCGCCATGGCACAGAACCTGCAGTACCCGGATGAC  
 TCGGATGATGAAAAGAAGGCCGGCCATTGGGCGGGAGCAGTATGAGGAGGAAGAGGAGGAGGGCG  
 GTGGAGGAGGCGAACGTAAGGTGGGCGGCCCCACCCAAATATGACGAGGACGCCAAACGGCCCTACTT  
 CACTGTGGATGAGGCTGAGGCCGTGAGGACGGCTATGGGGACCGGACTCTGGGCTACCAGTATGACCT  
 GAACAGCTGGACTTGCTGAGAACATGGTTTCTCAGAACGACGGGCTTTTCATTTCAGAAAGAGTGGT  
 ATGTG

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208266 representing NM\_021424  
 Red=Cloning site Green=Tags(s)

MARMGLAAGRWGLALGLTAFFLPGHTQVVQVNDSDMYGFIGTDVVLHCSFANPLPSVKITQVTWQKA  
 SNGSKQNMAIYNPTMGVSVLPPYEKRVEFLRPSFIDGTIRLSGLELEDEGMYICEFATFPTGNRESQNLN  
 TVMAKPTNWIETRAVLRARKGQDDKVLVATCTSANGKPPSAVSWETRLKGEAEYQEIRNPNGTVTVISR  
 YRLVPSREAHRQSLACIVNYHLDRFRESLTLNVQYEPEVTIEGFDGNWYLQRTDVKLTCKADANPPATEY  
 HWTTLNGLPKGVEAQNRLLFRGPITYSLAGTYICEATNPIGTRSGQVEVNITEFPYTPTEHGRRAGQ  
 MPTAIIIGVAGSVLLVLIIVGGIIVALRRRHTFKGDYSTKHHVYNGYSKAGIPQHPPMAQNLQYRDD  
 SDDEKAGPLGGSSYYYYYYYYGGGGGERKVGPHPKYDEDAKRPYFTVDEAEARQDGYGDRTLGYQYDP  
 EQDLAENMVSQNDGSFISKKEWYV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9016\\_a11.zip](https://cdn.origene.com/chromatograms/mm9016_a11.zip)

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_021424

ORF Size: 1545 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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\\_021424.3](#)

RefSeq Size: 5079 bp

RefSeq ORF: 1548 bp

Locus ID: 58235

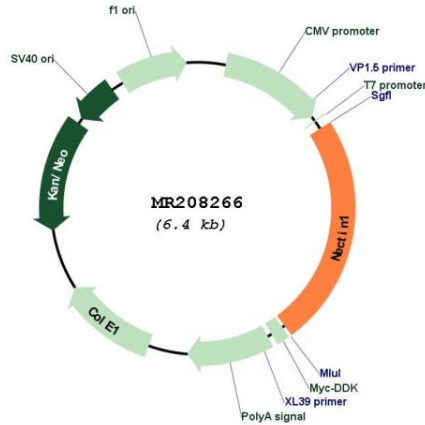
UniProt ID: [Q9JKF6](#)

Cytogenetics: 9 A5.1

MW: 57.5 kDa

Gene Summary: Involved in cell adhesion and synaptogenesis. Has some neurite outgrowth-promoting activity. Receptor for alphaherpesvirus (HSV-1, HSV-2 and pseudorabies virus) entry into cells. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208266