

Product datasheet for **MG208266**

Nectin1 (NM_021424) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nectin1 (NM_021424) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nectin1
Synonyms:	AI835281; AW549174; Cd111; HlgR; HveC; nectin-1; PRR; PRR1; Pvr11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208266 representing NM_021424
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCGGATGGGGCTTGGGGCGCCGCTGGACGCTGGTGGGACTCGCTCTCGGCTTGACCCGCTTCT
 TCCTCCAGGCACTCACACGCAGGTGGTGCAGGTGAACGACTCCATGTATGGCTTCATCGGCACAGATGT
 GGTACTGCACTGTAGCTTTGCCAACCCACTGCCAGTGTGAAAATCACCCAGGTACATGGCAGAAAGGCC
 TCCAATGGCTCCAAACAGAACATGGCCATCTACAACCCGACTATGGGTGTGTCCGTGCTGCCTCCCTACG
 AGAAACGAGTGGAGTTCCCTGCGACCCTCCTTATCGACGGCACCATCCGCCTCTCCGGTCTGGAGCTGGA
 GGACGAGGGCATGTACATCTGTGAATTTGCCACCTTCCCTACGGGCAACCGTGAAGCCAGCTCAATCTC
 ACTGTGATGGCCAAACCCACCACTGGATTGAGGGCACCCGGCGGTGCTTCGAGCCAGGAAGGGACAGG
 ATGACAAGGTTTTGGTGGCCACCTGCACCTCAGCCAATGGGAAGCCTCCCAGTGGGTGCTCTGGGAAAC
 ACGGCTAAAGGGCGAGGCAGGTACCAGGAAATTCGGAACCCCAATGGCACCGTGACAGTCATCAGCCGT
 TACCGTTTTGGTGGCCAGCAGGGAAGCCACCGCAGTCCGCTGGCCTGCATTGTCAACTATCACCTGGACC
 GCTTCAGGGAGAGCCTTACGCTCAACGTGACGATGAACCTGAGGTGACCATTGAGGGCTTTGATGGCAA
 CTGGTACTGCAGCGACAGATGTGAAGCTCACGTGCAAAGCGGATGCTAACCCGCCAGCCACTGAGTAC
 CACTGGACCACATTGAATGGCTCTCTCCCAAGGGTGTAGAGGCCAGAACAGGACCCTCTTCTCCGGG
 GACCTATCACCTACAGCTGGCAGGAACCTACATCTGTGAGGCCACCAACCCATTGGCACCCGATCGGG
 CCAGGTGGAGGTCAATATCACAGAATCCCCTACACCCGACTCCTGAACACGGGCGGCGCCGGGCGAG
 ATGCCACAGCCATCATTGGGGCGTGGCAGGGAGTGTCTGCTGGTGTGATTGGTGGGAGGGATCA
 TAGTGGCCCTGCGCAGGGCCCGCACACCTTCAAGGGTGACTACAGCACCAAGAAGCAGTGTACGGCAA
 CGGCTACAGCAAAGGCAGGCATCCCGCAGCATCACCCGCCATGGCACAGAACCTGCAGTACCCGGATGAC
 TCGGATGATGAAAAGAAGGCCGGCCATTGGGCGGGAGCAGCTATGAGGAGGAAGAGGAGGAGGGCG
 GTGGAGGAGGCGAACGTAAGGTGGGCGGCCCCACCCAAATATGACGAGGACGCCAAACGGCCCTACTT
 CACTGTGGATGAGGCTGAGGCCGTCAGGACGGCTATGGGGACCGGACTCTGGGCTACCAGTATGACCT
 GAACAGCTGGACTTGCTGAGAACATGGTTTCTCAGAACGACGGGTCTTTCATTTCAGAAGAGTGGT
 ATGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208266 representing NM_021424
 Red=Cloning site Green=Tags(s)

MARMGLAAGRWWGLALGLTAFLLPGHTQVVQVNDSDMYGFIGTDVVLHCSFANPLPSVKITQVTWQKA
 SNGSKQNMAIYNPTMGVSVLPPYEKRVFLRPSFIDGTIRLSGLELEDEGMYICEFATFPTGNRESQNLN
 TVMAKPTNWIETRAVLRARKGQDDKVLVATCTSANGKPPSAVSWETRLKGEAEYQEIRNPNGTIVISR
 YRLVPSREAHQRSLACIVNYHLDRFRESLTLNVQYEPEVTIEGFDGNWYLQRTDVKLTCKADANPPATEY
 HWTTLNGSLPKGVEAQNRLLFFRGPITYSLAGTYICEATNPIGTRSGQVEVNITEFPYTPTEHGRRAQ
 MPTAIIGGVAGSVLLVLI VVGGIIVALRRRHTFKGDYSTKHKHYVNGYSKAGIPQHHPMAQNLQYPDD
 SDDEKKAGPLGGSSYYYYYYYYGGGGGERKVGPHPKYDEDAKRPYFTVDEAEARQDGYGDRTLGYQYDP
 EQLDLAENMVSQNDGSFISKKEWYV

TRTRPLE - GFP Tag - V

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

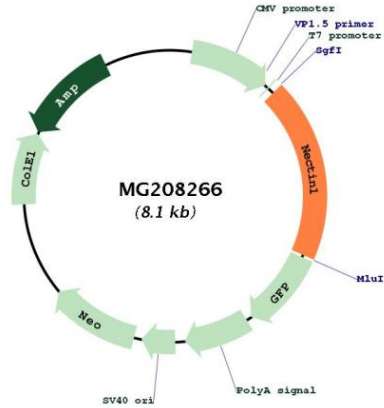
UniProt ID: [Q9JKF6](#)

Cytogenetics: 9 A5.1

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 MG208266