

## Product datasheet for **MR208167**

### **Nectin4 (NM\_027893) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nectin4 (NM_027893) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nectin4
Synonyms:	1200017F15Rik; Prr4; Pvrl4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208167 representing NM\_027893  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCCTGTCCCTGGGAGCCGAGATGTGGGGCCCTGAAGCCTGGCTGCGGCTGTTGTTCTTCCATCGT  
 TTACAGGCCAATATTCCGCGGGTGGAGACTCTGACGTAGTGACAGTGGTCTGGGTCAGGATGC  
 AAAACTGCCCTGTTCTACCGAGGGGATCCGGATGAGCAGGTGGGGCAGGTGGCGTGGGCTCGAGTGGAC  
 CCAAACGAGGGTATCCGGGAGCTGGCCCTACTGCACTCCAAATACGGGCTTCATGTGAACCTGCTTATG  
 AGGACCGCTGGAGCAACCACGCCCCACGAGACCTTTAGACGGCTCGGTCTCTGCGCAACGCTGT  
 GCAAGCTGATGAGGGGAGTACGAATGCAGAGTCAACCTTCCAGCCGGCAGCTTTCCAGCACGGATG  
 CGTCTTCGTGTTCTGGTGCCTCTCTGCCTTCACTGAATCCTGGTCCACCACTAGAAGAGGGCCAGGGCC  
 TGACGTTGGCAGCTCTTGCAGTCTGAGGGCAGCCAGCTCCAGCGTGACCTGGGACACAGAGGTCAA  
 GGGCACACAGTCGAGCCGCTCTTTCACACACCCCGCTCAGCTGCCGTCACCTCAGAGTCCATCTGGT  
 CCCAGCCGAAGTATGAATGGGCAGCCGCTGACCTGTGTGGTGTCTCACCTGGCCTGCTCCAGGACCGAA  
 GAATCACCCACACCCCTCAAGTGGCCTTCTTGCAGGAGCCTCTGTGAGGGGCTTGGAGACAAAACCT  
 GTGGCAAGTCGGCCGAGAAGGAGCCACACTCAAATGCCTGAGTGAAGGACAGCCCTCCCAAATACAAC  
 TGGACACGGTTGGATGGACCTCTGCCTAGTGGGTACGAGTGAAGGAGACACTCTGGGCTTTCCCCAC  
 TGACTACTGAGCACAGTGGCGTCTATGTCTGTACGTCAGCAATGAGCTTTCTTCGAGGGATTCTCAGGT  
 CACTGTGGAAGTCTTGACCCCGAAGATCCAGGAAAGCAGGTGGACCTGGTGTCCGCCTCAGTGATCATA  
 GTGGGCGTGATCGCTGCTCTCTGTTCTGCCTCCTGGTGGTGGTGGTGGTGTCTATGTCGATATCATC  
 GCCGCAAAGCCAGCAGATGACCCAGAAATATGAGGAGGAGCTGACTTTGACCAGGGAGAACTCCATCAG  
 GAGGCTGCACTCTACCACTCGGACCTAGGAGCCAGCCGAGGAGAGTGTAGGGCTGAGAGCGGAGGGC  
 CACCCTGATAGTCTCAAGGACAACAGTACTGCTCTGTGATGAGTGAAGGCCAGAGGCCGAGCTACT  
 CCACGTTAACCACAGTGAAGGATCGAGACACAGACCGAACTGCTATCTCCAGGCTCTGGGCGGACAGA  
 GGAGGACGACGATCAGGATGAAGGCATCAAACAGGCCATGAACATTTTGTGCAGGAAAATGGGACCCTG  
 AGGGCCAAACCTACAGGCAATGGTATCTACATCAATGGGCGAGGGCACCTGGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208167 representing NM\_027893  
 Red=Cloning site Green=Tags(s)

MPLSLGAEMWGPEAWLRLLFLASFQYSAGELETSVVTVVVLGQDAKLPCFYRGPDEQVGVAVARVD  
 PNEGIRELALLHSKYGLHVNPAVEDRVEQPPPRDPLDGSVLLRNAVQADEGEYECRVSTFPAGSFQARM  
 RLRVLPPLPSLNPGPPEEGQGLTLAASCTAEGSPAPSVTDTEVKGTQSSRSFTHPRSAAVTSEFHLV  
 PSRSMNGQPLTCVVSHPLLQDRRIHTLQVAFLAEASVRGLEDQNLWQVREGATLKLKCLSEGQPPPKYN  
 WTRLDGPLPSGVRVKGDTLGFPLTTEHSGVYVCHVSNELSSRDSQVTVEVLPEDPGKQVDLVSASVII  
 VGVIAALLFCLLVVVVLMSTRYHRRKAQMTQKYEELTLTRENSIRRLHSHSDPRSQPEESVGLRAEG  
 HPDSLKDNSSCSVMSEPEGRSYSTLTTVREIETQTELLSPGSGRTEEDDDQDEGIKQAMNHFVQENGL  
 RAKPTNGIYINGRHLV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_027893

ORF Size: 1524 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\\_027893.1](#), [NM\\_027893.2](#), [NM\\_027893.3](#), [NP\\_082169.1](#)

RefSeq Size: 3590 bp

RefSeq ORF: 1527 bp

Locus ID: 71740

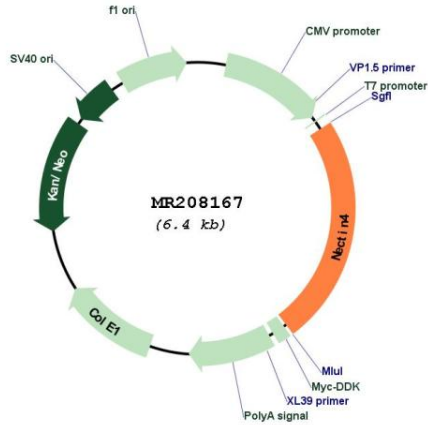
UniProt ID: [Q8R007](#)

Cytogenetics: 1 H3

MW: 56.1 kDa

Gene Summary: Seems to be involved in cell adhesion through trans-homophilic and -heterophilic interactions, the latter including specifically interactions with NECTIN1.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR208167