

## Product datasheet for **RR215212**

### Nectin4 (NM\_001109076) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nectin4 (NM_001109076) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nectin4
Synonyms:	Pvr14; RGD1559826
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR215212 representing NM\_001109076  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCCTGTCCCTGGGAGCCGAGATGTGGGGCCCTGAAGCCTGGCTGCTGCTGTTCTTCCGATCAT  
 TTACAGGCCGATACTCCGCGGGTGGAGACTCGGACTTAGTGACAGTGGTCTGGCCAGGACGC  
 AAAACTGCCCTGTTCTACCGAGGGGATCCCGATGAACAGGTGGGGCAGGTGGCATGGGCTCGAGTGGAC  
 CCAAACGAAGGCACCCGGGAGCTGGCCCTGCTGCACTCCAATACGGGCTTCATGTGAGCCCTGCCTATG  
 AGGACCGCGTGGAGCAACCACCCACGAGACCTCTAGACGGCTCCATCCTCTGCCTGCAATGCTGT  
 GCAAGCAGATGAGGGCGAGTACGAATGCAGAGTACGACCTTCCAGCCGGCAGCTTTCAGGCACGGATG  
 CGGCTTCGTGTTCTGGTGCCTCCCTGCCTTCCCTGAATCCTGGTCCACCACTAGAAGAAGGCCAGGGCC  
 TGACGTTGGCAGCCTCTTGCCTGCTGAGGGCAGCCAGCTCCAGTGTGACCTGGGACACAGAGGTCAA  
 AGGCACACAGTCCAGCCGCTTTTCAAGCACTCCCGCTCAGCTGCCGTCACCTCAGAGTTTCATCTGGTG  
 CCCAGCCGAAGCATGAATGGGCAGCCACTGACCTGTGTGGTGTCTCACCTGGCCTGCTCCAGGACCAAA  
 GAATCACCCACACCCCTCAAGTGGCCTTCTTGCAGGAAGCCTCTGTGAGGGGCTTGAGGACCAAACTT  
 ATGGCATGTTGGCCGAGAAGGAGCCACACTCAAATGCCTGAGTGAAGGACAGCCCTCCCAAATACAAC  
 TGGACACGGCTGGATGGACCTCTGCCTAGTGGGTGCGAGTGAAGGGGACACTCTGGGCTTCCCCCAC  
 TGACTACTGAGCACAGTGGTGTCTACGTCTGCCACGTACGCAACGAACCTTCTTCGAGGGCTTCTCAAGT  
 CACTGTAGAAGTCTTGACCCTGAGGATCCAGGAAAGCAGGTGGATCTGGTGTCTGCGTCAGTGGTGTGTA  
 GTGGGTGTGATTGCTGCACTCCTGTTCTGTCTCCTGGTGGTGGTGGTGGTGTCTATGTCGATATCATC  
 GCCGCAAAGCCAGCAGATGACCCAGAATAACGAGGAGGAGCTGACTTTGACCAGGGAGAACTCCATCCG  
 GAGGCTGCACTCTACCCACACGGACCTAGGAGCCAGCCGAGGAGAGTGTAGGGCTGAGAGCGGAGGGC  
 CACCCTGATAGTCTCAAGGACAACAGTACTGCTCTGTGATGAGTGAAGGCCAGAGGGCCGACGACTACT  
 CCACGTTGACCACAGTGAAGGATCGAAACACAGACTGAACTGCTCTCCCAGGCTCGGGGCGGACAGA  
 GGAGGAGGACGATCAGGATGAAGGCATCAAACAGGCCATGAACATTTTGTTCAGGAAAATGGGACCCTG  
 AGGGCCAAACCTACAGGCAATGGTATCTACATCAACGGGCGAGGGCACTTGGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR215212 representing NM\_001109076  
 Red=Cloning site Green=Tags(s)

MPLSLGAEMWGPEAWLLLLFLASFTRGRYSAGELETSDLVTVVVGQDAKLPCFYRGPDEQVGVAVARVD  
 PNEGRELALLHSKYGLHVSPAYEDRVEQPPPRDPLDGSILLRNAVQADEGEYECRVSTFFPAGSFQARM  
 RLRVLPPLPSLNPGLPEEGQGLTLAASCTAEGSPAPSVTDTEVKGTQSSRSFKHSRSAAVTSEFHLV  
 PSRSMNGQPLTCVVSHPLLQDQRIHTLQVAFLAEASVRGLEDQNLWHVGREGATLKLKCLSEGQPPPKYN  
 WTRLDGPLPSGVRVKGDTLGFPLTTEHSGVYVCHVSNELSSRASQVTVEVLDPEDPGKQVDLVSASVVV  
 VGVIAALLFCLLVVVVLMSTRYHRRKAQMTQKYEELTLTRENIRRLHSHHTDPRSQPEESVGLRAEG  
 HPDSLKDNSSCSVMSEPEGRSYSTLTTVREIETQTELLSPGSGRTEEDDQDEGIKQAMNHFVQENGL  
 RAKPTNGIYINGRHLV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_001109076

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\\_001109076.1](#), [NP\\_001102546.1](#)

RefSeq Size: 3794 bp

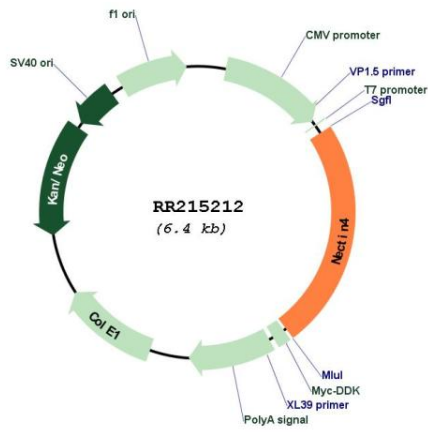
RefSeq ORF: 1527 bp

Locus ID: 498281

Cytogenetics: 13q24

MW: 55.6 kDa

Product images:



Circular map for RR215212