

Product datasheet for **MG208167**

Nectin4 (NM_027893) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nectin4 (NM_027893) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nectin4
Synonyms:	1200017F15Rik; Prr4; Pvrl4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208167 representing NM_027893
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCTGTCCCTGGGAGCCGAGATGTGGGGCCCTGAAGCCTGGCTGCGGCTGTTGTTCTGCCATCGT
 TTACAGGCCAATATTCCGCGGGTGGAGACTCTGACGTAGTGACAGTGGTCTGGGTGAGGATGC
 AAAACTGCCCTGCTTCTACCGAGGGGATCCGGATGAGCAGGTGGGGCAGGTGGCGTGGGCTCGAGTGGAC
 CCAAACGAGGGTATCCGGGAGCTGGCCCTACTGCACTCCAAATACGGGCTTCATGTGAACCTGCTTATG
 AGGACCGCGTGGAGCAACCACCGCCCCACGAGACCTTTAGACGGCTCGGTCTCTGCGCAACGCTGT
 GCAAGCTGATGAGGGCGAGTACGAATGCAGAGTCAGCACCTTCCAGCCGGCAGCTTTCAGGCACGGATG
 CGTCTTCGTGTTCTGGTGCCTCTCTGCCTTCACTGAATCCTGGTCCACCACTAGAAGAGGGCCAGGGCC
 TGACGTTGGCAGCCTCTGCACTGCTGAGGGCAGCCAGCTCCAGCGTGACCTGGGACACAGAGGTCAA
 GGGCACACAGTCGAGCCGCTCTTTCACACACCCCGCTCAGCTGCCGTCACCTCAGAGTTCATCTGGTG
 CCCAGCCGAAGTATGAATGGGCAGCCGCTGACCTGTGTGGTGTCTCACCTGGCCTGCTCCAGGACCGAA
 GAATCACCCACACCCCTCAAGTGGCCTTCTTGCAGGAGCCTCTGTGAGGGGCTTGAGGACCAAACTT
 GTGGCAAGTCGGCCGAGAAGGAGCCACACTCAAATGCCTGAGTGAAGGACAGCCCTCCCAAATACAAC
 TGGACACGGTTGGATGGACCTCTGCCTAGTGGGTACGAGTGAAGGAGACACTCTGGGCTTTCACCCAC
 TGACTACTGAGCACAGTGGCGTCTATGTCTGTACGTCAGCAATGAGCTTCTTCGAGGGATTCTCAGGT
 CACTGTGGAAGTCTTGACCCCGAAGATCCAGGAAAGCAGGTGGACCTGGTGTCCGCCTCAGTGATCATA
 GTGGGCGTGATCGCTGCTCTCTGTTCTGCCTCCTGGTGGTGGTGGTGGTGTCTATGTCGATATCATC
 GCCGCAAAAGCCAGCAGATGACCCAGAAATATGAGGAGGAGCTGACTTTGACCAGGGAGAACTCCATCAG
 GAGGCTGCACTCTCACTCGGACCTAGGAGCCAGCCGAGGAGAGTGTAGGGCTGAGAGCGGAGGGC
 CACCCTGATAGTCTCAAGGACAACAGTAGCTGCTCTGTGATGAGTGAAGAGCCAGAGGCCGACGCTACT
 CCACGTTAACCACAGTGAAGAGATCGAGACACAGACCGAACTGCTATCTCCAGGCTCTGGGCGGACAGA
 GGAGGACGACGATCAGGATGAAGGCATCAAACAGGCCATGAACATTTTGTGCAGGAAAATGGGACCCTG
 AGGGCCAAACCTACAGGCAATGGTATCTACATCAATGGGCGAGGGCACCTGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208167 representing NM_027893
 Red=Cloning site Green=Tags(s)

MPLSLGAEMWGPEAWLRLLFLASFTGQYSAGELETSVTVVVLGQDAKLPCFYRGPDEQVGVAVARVD
 PNEGIRELALLHSKYGLHVNPAYEDRVEQPPPPRDLGSLVLLRNAVQADEGEYECRVSTFFPAGSFQARM
 RLRVLPPLPSLNPGPPEEGQLTLAASCTAEGSPAPSVTWDTEVKGTQSSRSFTHPRSAAVTSEFHLV
 PSRSMNGQPLTCVVSHPGLLQDRRITHTLQVAFLAEASVRGLEDQNLWQVREGATLKCLSEGQPPPKYN
 WTRLDGPLPSGVRVKGDTLGFPLTTEHSGVYVCHVSNELSSRDSQVTVEVLDPEDPGKQVDLVSASVII
 VGVIAALLFCLLVVVVLMSTRYHRRKAQMTQKYEEELTLTRENSIRRLHSHSDPRSQPEESVGLRAEG
 HPDSLKDNSSCSVMSEPEGRSYSTLTTVREIETQTELLSPGSGRTEEDDDQDEGIKQAMNHFVQENGL
 RAKPTNGIYINGRHLV

TRTRPLE - GFP Tag - V

Chromatograms:

https://cdn.origene.com/chromatograms/ja1824_b08.zip

Restriction Sites:

Sgfl-MluI

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](#), [NP_082169.1](#)

RefSeq Size: 3590 bp

RefSeq ORF: 1527 bp

Locus ID: 71740

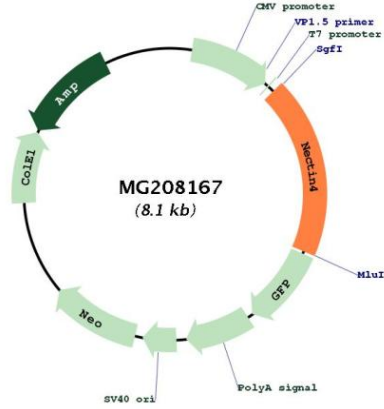
UniProt ID: [Q8R007](#)

Cytogenetics: 1 H3

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 MG208167