

## Product datasheet for **MG226018**

### **Nectin4 (NM\_001122680) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nectin4 (NM_001122680) 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:**

>MG226018 representing NM\_001122680  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCCTGTCCCTGGGAGCCGAGATGTGGGGCCCTGAAGCCTGGCTGCGGCTGTTGTTCTTCCGATCGT  
 TTACAGGCCAATATTCGCGGGTGAGCTGGAGACCTCTGACGTAGTGACAGTGGTCTGGGTCAGGATGC  
 AAAACTGCCCTGCTTCTACCGAGGGGATCCGGATGAGCAGGTGGGGCAGGTGGCATGGGCTCGAGTGGAC  
 CCAAACGAGGGTATCCGGGAGCTGGCCCTACTGCACTCCAAATACGGGCTTCATGTGAACCTGCTTATG  
 AGGACCGCTGGAGCAACCACCGCCCCACGAGACCTCTAGACGGCTCGGTCTCTGCGCAACGCTGT  
 GCAAGCTGATGAGGGGAGTACGAATGCAGAGTCAGCACCTCCAGCCGGCAGCTTTCAGGCACGGATG  
 CGTCTTCGTGTTCTGGTGCCTCTCTGCCTTCACTGAATCCTGGTCCACCACTAGAAGAGGGCCAGGGCC  
 TGACGTTGGCAGCCTCTGCACTGCTGAGGGCAGCCAGCTCCAGCGTGACCTGGGACACAGAGGTCAA  
 GGGCACACAGTCGAGCCGCTCTTTCACACACCCACGCTCAGCTGCCGTCACCTCAGAGTTCATCTGGTG  
 CCCAGCCGAAGTATGAATGGGCAGCCGCTGACCTGCGTGGTGTCTCACCTGGCCTGCTCCAGGACCGAA  
 GAATCACCCACACCCCTCAAGTGGCCTTCTTGCAGGGCCTCTGTGAGGGGCTTGAGGACCAAACTT  
 GTGGCAAGTCGGCCGAGAAGGAGCCACACTCAAATGCCTGAGTGAAGGACAGCCCCCTCCAAATACAAC  
 TGGACACGGTTGGATGGACCTCTGCCTAGTGGGTACGAGTGAAGGAGACACTCTGGGCTTCCCCAC  
 TGACTACTGAGCACAGTGGCGTCTACGTCTGTCACGTCAGCAATGAGCTTCTTCGAGGGATTCTCAGGT  
 CACTGTGGAAGTCTTGACCCCGAAGATCCAGGAAAGCAGGTGGACCTGGTGTCCGCCTCAGTGATCATA  
 GTGGGCGTGATCGCTGCTCTCTGTTCTGCCTCCTGGTGGTGGTGGTGTCTATGTCGATATCAGT  
 GCCGAAAGCCAGCAGATGACCCAGAAATATGAGGAGGAGCTGACTTTGACCAGGGAGAACTCCATCAG  
 GAGGCTGCACTCTACCACTCGGACCTAGGAGCCAGAGTGAAGAGCCAGAAGGCCGAGCTACTCCACG  
 TTAACCACAGTGAGAGATCGAGACACAGACCGAACTGCTATCTCCAGGCTCTGGGAGGACAGAGGAGG  
 ACGACGATCAGGATGAAGGCATCAAACAGGCCATGAACATTTTGTGAGGAAAATGGGACCCTGAGGGC  
 CAAACCTACAGGCAATGGTATCTACATCAACGGGCGAGGGCACCTGGTC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG226018 representing NM\_001122680  
 Red=Cloning site Green=Tags(s)

MPLSLGAEMWGPEAWLRLLFLASFTGQYSAGELETSADVTVVVLGQDAKLPCFYRGDPDEQVGVAVARVD  
 PNEGIRELALLHSKYGLHVNPAVEDRVEQPPPPRDLGSVLLRNAVQADEGEYECRVSTFPAGSFQARM  
 RLRVLVPPLPSLNPGLPEEGQLTLAASCTAEGSPAPSVTWDTEVKGTQSSRSFTHPRSAAVTSEFHLV  
 PSRSMNGQPLTCVVSHPGLLQDRRITHTLQVAFLAESVRGLEDQNLWQVREGATLKCLSEGQPPPKYN  
 WTRLDGPLPSGVRVKGDTLGFPPLTTEHSGVYVCHVSNELSSRDSQVTVEVLDPEDPGKQVDLVSASVII  
 VGVIAALLFCLLVVVVVLMSRYHRRKAQMTQKYEEELTLTRENSIRRLHSHSDPRSQSEEPEGRSYST  
 LTTVREIETQTELLSPGSGRTEEDDDQDEGIKQAMNHVQENGLRAKPTNGIYINGRHLV

**TRTRPLE** – GFP Tag – V

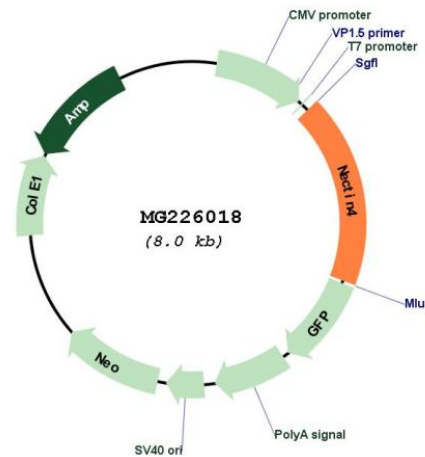
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001122680

ORF Size: 1449 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\\_001122680.1](#), [NP\\_001116152.1](#)

**RefSeq Size:** 3434 bp

**RefSeq ORF:** 1452 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]