

## Product datasheet for **RR216765**

### **Nova1 (NM\_001100541) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nova1 (NM_001100541) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nova1
Synonyms:	Nova-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR216765 representing NM\_001100541  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGCAGCTCCATTACAGACAACGGGACCCATACGGGGTCCCATAGATCTGGACCCGCCGGACT  
 CGCGGAAAAGGCCGCTTGAAGCGCCCCCTGAAGCCGGCAGCACCAAGAGGACCAACCGGGCAAGACGG  
 CCAGTACTTTCTAAAGGTCCTCATACTAGTTATGCTGCTGGATCTATAATTGGGAAGGGAGGACAGACA  
 ATTGTTCAAGTTGCAAAAGGAAACGGGAGCCACGATCAAGCTGTCTAAGTCCAAAGATTTTTATCCAGGTA  
 CTACTGAGAGGGTTTGTGTTGATCCAGGGAACGATTGAAGCACTGAATGCAGTTTCATGGATTCATTGCAGA  
 AAAAATTCGAGAAATGCCCAAATGTTGCCAAGACAGAACCAAGTCAGTATCCTGCAACCTCAGACCACC  
 GTTAACCTGATCGCATCAAACAAGTAAGATTATAGTTCCCAACAGCACAGCAGGTCTGATAATAGGGA  
 AGGGAGGTGCTACTGTGAAGGCTATAATGGAGCAGTCAGGGGCTTGGGTGCAGCTTCCAGAAACCTGA  
 TGGGATCAACTTGAAGAGAGGGTTGCTACTGTGAGTGGAGAACCTGAACAAAACCGAAAAGCTGTTGAA  
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 CAGGTCCAGTGGCAAATCCAATCCAACCGGATCTCCTTATGCAAACACTGCTGAAGTGTACCAACTGC  
 CGCAGCCGCCGAGGGCTATTAGGACATGCTAACCTTGCCGGTGTGCGGCCCTCCAGCAGTTTTATCT  
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 GAATACAGGAGTTGACTGGTGAAGGATACAGATCTCCAAAAAGGGAGAGTTTCGTACCTGGCACACGGA  
 ATCGGAAGGTAACCACTTACTGGAACACCAGCTGCAACACAGGCTGCTCAGTATTTAATTACAGAGGAT  
 CACATATGAGCAAGGAGTGCGGGCCCAATCCTCAGAAAGTGGGT

**ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT**  
**ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:**

>RR216765 representing NM\_001100541  
 Red=Cloning site Green=Tags(s)

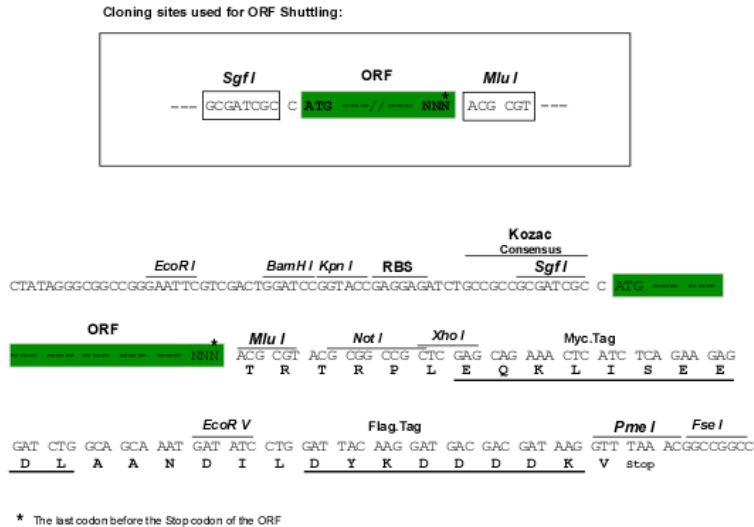
MAAAPIQQNGHTGVPIIDLPPDSRKRPLEAPPEAGSTKRTNTGEDGQYFLKVLIPSYAAGSIIGKGGQT  
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 LIIQKIQEDPQSGSCLNISYANVTGPVANSNPTGSPYANTA EVLPTAAAAAGLLGHANLAGVAAFPVLS  
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 AGGTAGTFALGSLAATAATNGYFGAASPLAASAILGTEKSTDGSKDVVEIAPENLVGAILGKGGKTLV  
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**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

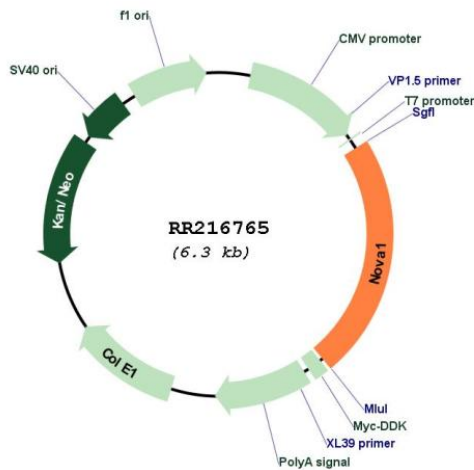
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001100541

ORF Size: 1446 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\\_001100541.1](#), [NP\\_001094011.1](#)

**RefSeq Size:** 3514 bp

**RefSeq ORF:** 1449 bp

**Locus ID:** 298992

**Cytogenetics:** 6q21

**MW:** 49.1 kDa