

## Product datasheet for **RN209539**

### **Best1 (NM\_001011940) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Best1 (NM_001011940) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Best1
Synonyms:	Vmd2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN209539 representing NM\_001011940  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGACTATCACCTACACAACGAAGTGCCAAATGCCCGCCTTGGTTCCTTCTCGTCCTCCTCTGCGCT  
GGCGAGGCAGCATCTACAAGCTGCTGTACGGAGAATTCCTTGTCTTCATATTCCTCTACTATTGCATCCG  
TGGACTCTACAGAATGGTTCTCTCGAATCATCAGCAGCAGCAGTTTGAGAAGTTGGCTCTGTACTGCAAC  
AGCTACATTCACTTCCATATCCTTCGTTCTGGGTTTCTATGTTACATTGGTGGTGGAGCCGATGGT  
GGAACCACTACGAGAAGTTGCCGTGGCCCGACCGCCTCATGATGCAGGTATCTAGCTTCGTGGAGGGCAA  
GGACGAGCAAGGCCGGTTGCTGCGGCGCACGCTCATCCGCTACGCCATCCTGGCCAAAGTCTCATCCTG  
CGCAGCATCAGCACCTCGGTCTACAAGCGCTTCCAGTCTTCAACACCTGATGCAAGCAGGCTTTATGA  
CTCCTGGGGAATAAAGCAGTTGCAGAGTTGGGCTACCACACAACACATTCTGGGTACCTGGGTGTG  
GTTTGCCAACTGTCAATGAAAGCCTATCTTGGAGGTGCAATCAGGGACTGTCTGCTCCAGAGCCTG  
ATGAATGAGGTGTGCACCTTGCCTACTCAGTGTGGACACCTATATGCCTATGACTGGATCAATATCCCAT  
TGGTGTACACACAGGTGGTGACAGTGGCGGTTTACAGCTTTTTCTTGCATGCTTATGATCGGGAGGAGTT  
TCTGAACCACTCAAGAACTACCCAGGCCACGAGATGGATCTGGTGTGCCTGTCTTCACAATCCTGCAG  
TCTTATTCTACATGGGCTGGCTCAAGGTGGCAGAACAGCTCATCAACCCCTTTGGAGAGGATGATGATG  
ATTTTGAGACCAACTGGATCATTGACAGAACTGCAGGTGTCCCTGTTGTCTGTGGATGGGATGCACCA  
CGACGTGCCTCCCTGGAGCGAGACCTGTACTGGAATGAGGCGCGCCTCAGCCGCCCTACACAGCTGCT  
TCTGCCGGGTCTACCGACAATCCTTATGGGCTCCACCTTCAACATGAGTCTGAAGAAAAAGACTCAG  
AGGAGGAGAGTGACACTTATGACAAGAAAGAGAATGATTACGGCAGCACCATTGGACGCTTCTTAGGACT  
GCAATCCAATGACTACCATCCTCCCAAGACAGACTTAAAGACCAAACTGTTGTGGTCTAAGAAGGACCCC  
TTCTCGAGGACCAGTCTAAGAATGACAAGCAGAAAGACCAGAAAAATGATGTCTGGAAACCAAAGGACC  
TCTTCAGAGCTATACCAAAGTTTAAAGAGCCAAGTTACCGCCAGGCCCCACAGCCACTTGGCAGCCACCT  
TCCCATGGTCTTCCCTCCTCAGCAGTCAGCACCTCAGTGCCTTACTCAGACACAGGTGGTGGGCCCTTCC  
GCACAGTACCAAGAGGCCTGTCACATGAAGAAGAAAACAGTGGAGTTAACTTGAACATTCAGAGTGCC  
CTACGGAAACATGAACAACCCATTTGGACCAGATGCACACGATCCTGAAGGAGCCTGGAGAATCCTATCC  
TGTCAGTGATAAAGCTGACACCAATCCTGTTTCCTATAAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001011940  
**Insert Size:** 1653 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_001011940.1](#), [NP\\_001011940.1](#)

**RefSeq Size:** 2035 bp

**RefSeq ORF:** 1653 bp

**Locus ID:** 293735

**Cytogenetics:** 1q43