

Product datasheet for **RR212450**

Best2 (NM_001108895) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Best2 (NM_001108895) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Best2
Synonyms:	Vmd2l1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR212450 representing NM_001108895
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCGTCACCTACACAGCCCGAGTGGCGAATGCCCGCTTCGGTGGCTTCTCGCAGCTGCTGCTGTTGT
 GCGCGGAAGCATCTACAAGCTCCTGTGGCGAGAGCTGCTGTGTTTCTGGGACTCTACATGGCACTAAG
 CGCCGCCTATCGCTTCTTACTGGCAGAAGAGCAGAAGCGCTACTTCGAGAAGCTTGCATATACTGCGAC
 CAGTACGCCAGCCTCATCCCGTCTCGTTTGTACTTGGCTTCTACGTGACTCTGGTGGTGCATCGCTGGT
 GGAACCACTACCTATGCATGCCCTGCCAGACGCACTTATGTGCATAGTGGCCGGCACCGTGCATGGGCG
 CGACGATCGGGGCGCCTCTACCGGCGCACGCTCATGCGCTACGCAGGGCTCTCCGCGGTGCTGATCCTT
 CGTTCTGTAGCACAGCAGTCTCAAACGGTTTCCCACCATAGACCACGTGGTGGAGGCTGGATTTATGA
 CCCGAGAGGAGCGCAAGAAGTTCGAGAAGTGAAGTCTGCTCTACAACAAGTACTGGTGCCTCGCTGTG
 GTTCTCCAGCTTGGCAGCGCAGGCGCAGCAGAGGGGCGTATCCGTGATAACAGTGCCTTAAATTGCTG
 CTAGAGGAGCTGAATGTGTTCCGGAGCAAGTCCGGGATGCTGTTTCACTACGACTGGATTAGCATACCCC
 TCGTCTACACCCAGGTAGTCACTATCGCAGTGTACAGCTACTTCTGGCTTGCCTCATCGCCGTCAGTT
 CCTAGACCCTGCACAGGGCTACAAAGACCACACCTGGACCTATGCATTCGGATCTTACCTTGCTGCAG
 TTCTTCTTCTACGCTGGCTGGCTTAAGGTAGCAGAGCAGCTTATTAACCTTTCCGAGAGGACGACGACG
 ACTTCGAGACCACTTTCTTATTGACCGCAACTCCAGGTGTCCATGCTAGCGGTAGATGAGATGTATGA
 CGACTTGGCCATGTTGAAAAAGATCTATACTGGGATGCAGCGGAAGCTCGAGCGCCCTACACCGCGGCC
 ACCGCTTCTCTGCTTTCAGCAACCCTCCTCCAGGGTCCACCTTGTATATAGCGTGGCTAAAGAGGACA
 TGCAGTCCAGCGGCTGGACGTTGTGGATGGCCCTCTGGGAGAGGCTCACGGGACTTTCTGCAGCGCT
 CCTGCCGCGGGGCGGGTACTGTGGTCCGCTGGGGCGGCGCCTGTCACTCTTGCGGCGAAAGAACAGC
 TCGTGTCCGAGGCTCCACCGCAGCCAGCTGCAGCTGTGCAGGCGGGCGGATGGTGGAGGCGTTGAGT
 GCGGTTGTGGCGATCCATTGCTCGACCCAGCCTGCGGGAACCTGAGCTGGAGCCTCCCGCATGTCTGA
 GCCGCTGCCCTATCCCGGGCCCAACTCCTGAACCTTTTACCGCTGTGTCGATTCCCGGCGCTCGGGCT
 CCTGCGCCACCCTGGCTACCCAGCCCTATTGGAGAGGAGGAAGAGAGTCCGGCC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212450 representing NM_001108895
 Red=Cloning site Green=Tags(s)

MTVYTYARVANARFGGFSQLLLLWRGSIYKLLWRELLCFLGLYMLSAAYRFLLAEEQKRYFEKLVICYD
 QYASLIPVSFVLGFYVTLVVHRWWNQYLCMPLPDALMCIVAGTVHGRDDRGRLYRRTLMRYAGLSAVLIL
 RSVSTAVFKRFPIDHVEAGFMTREERKKFENLNSSYNKYWVPCVWFSSLAQAARREGIRDNSALKLL
 LEELNVFRSKGMLFHYDWISIPLVYTQVVTIAVYSYFLACLIGRQFLDPAQGYKDHTLDLCIPIFTLLQ
 FFFYAGWLKVAEQLINPFGEDDDDFETNFLIDRNFQVSM LAVDEMYDDLAMLEKDYWDAEARAPYTAA
 TAFLLQQPSFQGSTFDIALAKEDMQFQRLDVVDGPLGEAHGDFLQRLLPAGAGTVGPLGRRLSLLRRKNS
 CVSEASTAASCSCAGAADGGGVECGCDPLLDPSLREPELEPPACPEPPAPIPGPTPEPFTAVSIPGPRA
 PAPPWLPSPIGEEEESPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

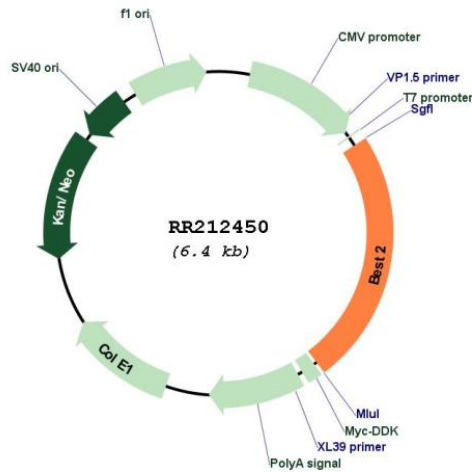
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001108895

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_001108895.1](#), [NP_001102365.1](#)

RefSeq Size: 2006 bp

RefSeq ORF: 1527 bp

Locus ID: 364973

Cytogenetics: 19q11

MW: 57.1 kDa