

Product datasheet for **MR224031**

Best2 (NM_001130194) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Best2 (NM_001130194) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Best2
Synonyms:	Vmd2l1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR224031 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCGTCACCTACACAGCCAGAGTGGCGAATGCCCGCTTCGGTGGCTTCTCGCAGCTGCTGCTGCTGT
 GCGCGGAAGCATCTACAAGCTCCTGTGGCGAGAGCTGTTATGTTTCTGGGACTCTACATGGCACTAAG
 CGCCGCCTATCGCTTCTTACTGGCAGAAGAGCAGAAGCGCTACTTCGAGAAGCTTGCATATACTGCGAC
 CAGTACGCCAGCCTCATCCCCGCTCTTTTCGTAAGTGGCTTCTACGTGACTCTGGTGGTGCATCGCTGGT
 GGAACCACTACCTATGCATGCCTCTGCCGGACGCACTCATGTGCATAGTGGCTGGCACCGTGCATGGGCG
 AGACGATCGAGGCCGCTCTACCGGCGCACGCTCATGCGCTACGCAGGGCTCTCCGCGGTGCTGATCCTT
 CGTTCTGTAGCACAGCAGTCTTCAAACGGTCCCACTATAGACCACGTGGTGGAGGCTGGATTTATGA
 CCCGAGAAGAGCGCAAGAAGTTCGAGAAGTGAATTCGCTCTACAACAACTACTGGTGCCTGCGTATG
 GTTCTCGAGCCTGGCAGCGCAGGCGCGGCGAGAGGGGCGCATCCGCGACAACAGTGCCTAAAGTTGCTA
 CTAGAGGAGCTGAATGTGTTCCGGAGCAAATGTGGGATGCTGTTCACTACGACTGGATTAGCATACCCC
 TCGTCTACACCCAGGTAGTCACTATCGCAGTGTACAGCTACTTCTGGCTTGCCATCGGCCGTAGTT
 CCTAGACCCTGCACAGGGCTACAAAGACCACACCTGGACCTATGCGTACCCATCTTACCTTGCTGCAG
 TTCTTCTTCTACGCTGGCTGGCTTAAGGTAGCAGAGCAGCTTATTAACCCCTTTGGGGAAGACGACGACG
 ACTTTGAGACCACTTTCTTATTGACCGCAACTCCAGGTGCCATGCTAGCTGTAGATGAGATGTATGA
 CGACTTGGCCATGCTGGAGAAAGATCTATACTGGGATGCAGCAGAAGCTCGCGGCCCTACACCGCGGCC
 ACCGCTTTCCTGCTTACGACGCCCTCCTCCAGGGCTCCACCTTGTATAGCGTGGCTAAAGAGGACA
 TGCAGTCCAGCGGCTGGACGGCTGGATGGCCCGTGGAGAGGTTACGCGGACTTTCTGCAGCGCT
 CCTGCCGCGGGGGCGGGTCTGTGGTCCGCTGGGGCGGCGCCTGTGCTGTTAAGGCGTAAAAACAGC
 TCGTGTAGAGGCTCCACTGCTGCCAGCTGTGGCTGTGAGGCGCGGGATGGCGGAGGCGTTGAGT
 GCGGTTGTGGAGACCCATTGCTTACCCAGCCTGCGGGAGCCTGAGCTGGAGTCTCCCGCATGTCTGA
 GCCGCTGCCCCATCCCGGGGCAACTCCTGAACCTTTACCACCGTGTGATTCCGGGTCTCGGGCT
 CCTGCGCCACCCTGGCTGCCAGCCCTATTGGAGAGGAGGAAGAGAGTCCGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224031 protein sequence
 Red=Cloning site Green=Tags(s)

MTVYTYTARVANARFGGFSQLLLLWRGSIYKLLWRELLCFLGLYMLSAAYRFLLAEEQKRYFEKLVYCD
 QYASLIPVSFVLGFYVTLVVHRWWNQYLCMPLPDALMCI VAGTVHGRDDRGRLYRRTLMRYAGLSAVLIL
 RSVSTAVFKRFPIDHVEAGFMTREERKKFENLNSSYNKYWVPCVWFSSLAQAARREGIRDNSALKLL
 LEELNVFRSKGMLFHYDWISIPLVYTQVVTIAVYSYFLACLIGRQFLDPAQGYKDHTLDLCVPIFTLLQ
 FFFYAGWLKVAEQLINPFGEDDDDFETNFLIDRNFQVSM LAVDEMYDDLAMLEKDLYWDAEARAPYTAA
 TAFLLQQPSFQGSTFDIALAKEDMQFQRLDGVGDLGEVHGDFLQRLLPAGAGSVGPLGRRLSLLRRKNS
 CVSEASTAASCAGCAADGGGVECGDPLLDPSLREPELESPACPEPPAPIPGPTPEPFTTVSIPGPRA
 PAPPWLPSPIGEEEESPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

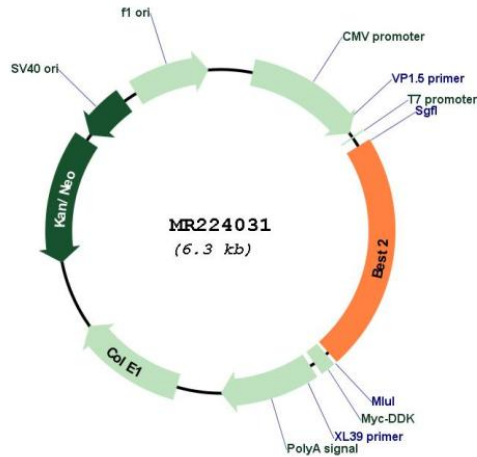
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001130194

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:	<ol style="list-style-type: none">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 Size:	1971 bp
RefSeq ORF:	1527 bp
Locus ID:	212989
UniProt ID:	Q8BGM5
Cytogenetics:	8 C3
MW:	57 kDa
Gene Summary:	Forms calcium-sensitive chloride channels. Permeable to bicarbonate.[UniProtKB/Swiss-Prot Function]