

## Product datasheet for **MR207431**

### Best2 (NM\_145388) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Best2 (NM_145388) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Best2
Synonyms:	Vmd2l1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207431 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCACTAAGCGCCGCTATCGCTTCTACTGGCAGAAGAGCAGAAGCGCTACTTCGAGAAGCTTGTCAT  
 TATACTGCGACCACTACGCCAGCCTCATCCCCGCTCTTTTCGACTTGGCTTCTACGTGACTCTGGTGGT  
 GCATCGCTGGTGAACCACTACCTATGCATGCCTCTGCCGGACGCACTCATGTGCATAGTGGCTGGCACC  
 GTGCATGGGCGAGACGATCGAGGCCGCTCTACCGGCGCACGCTCATGCGCTACGCAGGGCTCTCCGCGG  
 TGCTGATCCTTCGTTCTGTTAGCACAGCAGTCTTCAAACGGTTCCCACTATAGACCACGTGGTCGAGGC  
 TGGATTTATGACCCGAGAAGAGCGCAAGAAGTTCGAGAATTGAATTCGCTCTACAACAAATACTGGGTG  
 CCCTGCGTATGGTTCGAGCCTGGCAGCGCAGGCGGGCAGAGGGGCGCATCCGCGACAACAGTGCC  
 TAAAGTTGCTACTAGAGGAGCTGAATGTGTTTCGGAGCAAATGTGGGATGCTGTTTCACTACGACTGGAT  
 TAGCATACCCCTCGTCTACCCAGGTAGTCACTATCGCAGTGTACAGCTACTTCTTGGCTGCCTCATC  
 GGCCGTACGTTCCCTAGACCCTGCACAGGGCTACAAAGACCACACCCTGGACCTATGCGTACCCATCTTCA  
 CCTTGCTGCAGTCTTCTTCTACGCTGGCTGGCTTAAGGTAGCAGAGCAGCTTATTAACCCTTTTGGAGA  
 GGACGACGACGACTTTGAGACCAACTTTCTTATTGACCGCAACTTCCAGGTGCCATGCTAGCTGTAGAT  
 GAGATGTATGACGACTTGGCCATGCTGGAGAAAGATCTATACTGGGATGCAGCAGAAGCTCGCGCCCT  
 ACACCGCGGCCACCGCTTCTGCTTACGACGCCCTCCTCCAGGGCTCCACCTTTGATATAGCGCTGGC  
 TAAAGAGGACATGCAGTTCAGCGGCTGGACGGCTGGATGGCCCGCTGGGAGAGGTTACCGGGACTTT  
 CTGCAGCGCTCCTGCCGGCGGGGCGGGTCTGTGGTCCGCTGGGCGGCGCTGTGCTGTTAAGGC  
 GTAAAAACAGCTGCGTGTAGAGGCCCTCACTGCTGCCAGCTGTGGCTGTGCAGGCGGGCGGATGGCG  
 AGGCGTTGAGTGCAGTGTGGAGACCCATTGCTTGACCCTAGCCTGCGGGAGCCTGAACTGGAGCCTCCC  
 GCATGTCTGAGCCGCTGCCCCATCCCGGGGCAACTCCTGAACCTTTTACCACCGTGTGATCCGG  
 GGCTCGGGCTCTGCGCCACCCTGGCTGCCTAGCCCTATTGGAGAGGAGGAAGAGAGTCCGGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207431 protein sequence  
 Red=Cloning site Green=Tags(s)

MALSAAYRFLLAEEQKRYFEKLVICYDQYASLIPVSFVLGFYVTLVVHRWWNQYLCMPLPDALMCIVAGT  
 VHGRDDRGRLYRRTLMRYAGLSAVLILRSVSTAVFKRFPTIDHVVEAGFMTREERKKFENLNSSYNKYWV  
 PCVWFSSLAQAARREGRIIRDNSALKLLLEELNVFRSKGMLFHYDWISIPLVYTQVVTIAVYSYFLACLI  
 GRQFLDPAQGYKDHTLDLCVPIFTLLQFFFYAGWLKVAEQLINPFGEDDDDFETNFLIDRNQVSMQAVD  
 EMYDDLAMLEKDLWDAAEARAPYTAATAFLLQQPSFQGSTFDIALAKEDMQFQRLDGVGDLGEVHGDF  
 LQRLLPAGAGSVGPLGRRLSLLRRKNSCVSEASTAASCAGCAGAADGGGVECGGDPDLLDPSLREPELEPP  
 ACEPPAPIPGPTPEPFTTIVSIPGRAPAPPWLPSPIGEEEEESPA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_145388

**ORF Size:** 1398 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\\_145388.1](#), [NP\\_663363.1](#)

**RefSeq Size:** 2212 bp

**RefSeq ORF:** 1527 bp

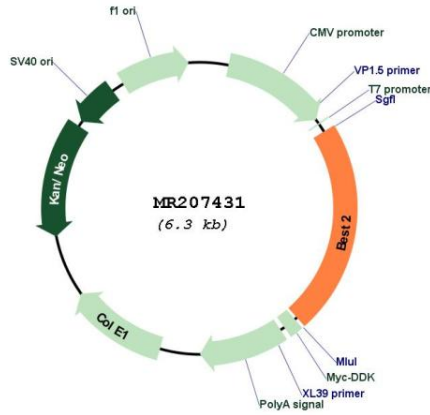
**Locus ID:** 212989

**Cytogenetics:** 8 C3

**MW:** 52 kDa

**Gene Summary:** Forms calcium-sensitive chloride channels. Permeable to bicarbonate.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR207431