

Product datasheet for **MG224031**

Best2 (NM_001130194) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Best2 (NM_001130194) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Best2
Synonyms:	Vmd2l1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG224031 representing NM_001130194
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCACTAAGCGCCGCTATCGCTTCTACTGGCAGAAGAGCAGAAGCGCTACTTCGAGAAGCTTGTCAT
 TATACTGCGACCACTACGCCAGCCTCATCCCCGCTCTTTTCGTAAGTGGCTTCTACGTGACTCTGGTGGT
 GCATCGCTGGTGGAAACCAGTACCTATGCATGCCTCTGCCGGACGCACTCATGTGCATAGTGGCTGGCACC
 GTGCATGGGCGAGACGATCGAGGCCGCTCTACCGGCGCACGCTCATGCGCTACGCAGGGCTCTCCGCGG
 TGCTGATCCTTCGTTCTGTTAGCACAGCAGTCTTCAAACGGTTCCCACTATAGACCACGTGGTCGAGGC
 TGGATTTATGACCCGAGAAGAGCGCAAGAAGTTCGAGAAGTGAATTCGCTCTACAACAAATACTGGGTG
 CCCTGCGTATGGTTCGAGCCTGGCAGCGCAGGCGGGCAGAGGGGCGCATCCGCGACAACAGTGCC
 TAAAGTTGCTACTAGAGGAGCTGAATGTGTTTCGGAGCAAATGTGGGATGCTGTTTCACTACGACTGGAT
 TAGCATACCCCTCGTCTACCCAGGTAGTCACTATCGCAGTGTACAGCTACTTCTTGGCTTGCCATC
 GGCCGTACGTTCCCTAGACCCTGCACAGGGCTACAAGACCACACCCTGGACCTATGCGTACCCATCTTCA
 CCTTGCTGCAGTCTTCTTCTACGCTGGCTGGCTTAAGGTAGCAGAGCAGCTTATTAACCCCTTTGGAGA
 GGACGACGACGACTTTGAGACCACTTTCTTATTGACCGCAACTTCCAGGTGTCCATGCTAGCTGTAGAT
 GAGATGTATGACGACTTGGCCATGCTGGAGAAAGATCTATACTGGGATGCAGCAGAAGCTCGCGGCCCT
 ACACCGCGGCCACCGCTTCTGCTTACGACGCCCTCCTTCCAGGGCTCCACCTTTGATATAGCGCTGGC
 TAAAGAGGACATGCAGTTCAGCGGCTGGACGGCTGGATGGCCCGCTGGGAGAGGTTACCGGGGACTTT
 CTGCAGCGCTCCTGCCGGCGGGGCGGGTCTGTGGTCCGCTGGGCGGCGCCTGTGCTGTTAAGGC
 GTAAAAACAGCTGCGTGTACAGAGCCTCCACTGCTGCCAGTGTGGCTGTGCAGGCGCGGGGATGGCGG
 AGGCGTTGAGTGCAGTGTGGAGACCCATTGCTTGACCCTAGCCTGCGGGAGCCTGAACTGGAGCCTCCC
 GCATGTCTGAGCGCCTGCCCCATCCCGGGCCAACCTCTGAACCTTTTACCACCGTGTGATTCCGG
 GGCTCGGGCTCTGCGCCACCCTGGCTGCCTAGCCCTATTGGAGAGGAGGAAGAGAGTCCGGCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG224031 representing NM_001130194
 Red=Cloning site Green=Tags(s)

MALSAAYRFLLAEEQKRYFEKLVICYDQYASLIPVSFVLGFYVTLVVHRWWNQYLCMPLPDALMCIVAGT
 VHGRDDRGRLYRRTLMRYAGLSAVLILRSVSTAVFKRFPTIDHVVEAGFMTRERKKFENLNSSYNKYWV
 PCVWFSSLAARREGRIKDNSALKLLLEELNVFRSKCGMLFHYDWISIPLVYTQVVTIAVYSYFLACLI
 GRQFLDPAQGYKDHTLDCVPIFTLLQFFFYAGWLKVAEQLINPFGEDDDDFETNFLIDRNQVSMMLAVD
 EMYDDLAMLEKDLYWDAEARAPYTAATAFLLQQPSFQGSTFDIALAKEDMQFQRLDGVDPPLGEVHGDF
 LQRLLPAGAGSVGPLGRRLLSLLRRKNSCVSEASTAASCAGCAADGGGVECGCGDPLLDPSLREPELEPP
 ACPEPPAPIPGTPEPFTTYSIPGRAPAPPWLPSPIGEEEEESPA

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


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:

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_001130194.1](#), [NP_001123666.1](#)

RefSeq Size: 1971 bp

RefSeq ORF: 1527 bp

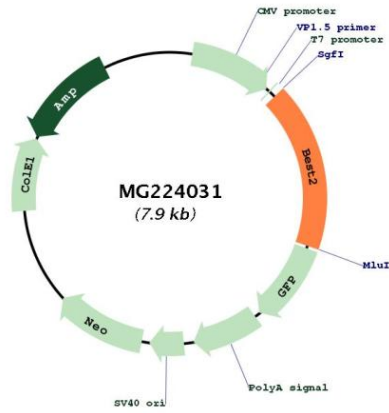
Locus ID: 212989

UniProt ID: [Q8BGM5](#)

Cytogenetics: 8 C3

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

Product images:



Circular map for MG224031