

## Product datasheet for **MG207431**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Best2 (NM_145388) 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)



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**ORF Nucleotide Sequence:**

>MG207431 representing NM\_145388  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCACTAAGCGCCGCTATCGCTTCTACTGGCAGAAGAGCAGAAGCGCTACTTCGAGAAGCTTGTCAT  
 TATACTGCGACCACTACGCCAGCCTCATCCCCGCTCTTTTCGACTTGGCTTCTACGTGACTCTGGTGGT  
 GCATCGCTGGTGAACCACTACCTATGCATGCCTCTGCCGGACGCACTCATGTGCATAGTGGCTGGCACC  
 GTGCATGGGCGAGACGATCGAGGCCGCTCTACCGGCGCACGCTCATGCGCTACGCAGGGCTCTCCGCGG  
 TGCTGATCCTTCGTTCTGTTAGCACAGCAGTCTTCAAACGGTTCCCACTATAGACCACGTGGTCGAGGC  
 TGGATTTATGACCCGAGAAGAGCGCAAGAAGTTCGAGAACTTGAATTCGCTCTACAACAAATACTGGGTG  
 CCCTGCGTATGGTTCGAGCCTGGCAGCGCAGGCGGGCAGAGGGGCGCATCCGCGACAACAGTGCC  
 TAAAGTTGCTACTAGAGGAGCTGAATGTGTTTCGGAGCAAATGTGGGATGCTGTTTCACTACGACTGGAT  
 TAGCATACCCCTCGTCTACACCCAGGTAGTCACTATCGCAGTGTACAGCTACTTCTTGGCTTGCCATC  
 GGCCGTACGTTCCCTAGACCCTGCACAGGGCTACAAAGACCACACCCTGGACCTATGCGTACCCATCTTCA  
 CCTTGCTGCAGTCTTCTTCTACGCTGGCTGGCTTAAGGTAGCAGAGCAGCTTATTAACCCTTTTGGAGA  
 GGACGACGACGACTTTGAGACCAACTTTCTTATTGACCGCAACTTCCAGGTGTCCATGCTAGCTGTAGAT  
 GAGATGTATGACGACTTGGCCATGCTGGAGAAAGATCTATACTGGGATGCAGCAGAAGCTCGCGCCCT  
 ACACCGCGGCCACCGCTTCTGCTTACGACGCCCTCCTTCCAGGGCTCCACCTTTGATATAGCGCTGGC  
 TAAAGAGGACATGCAGTCCAGCGGCTGGACGGCTGGATGGCCCGCTGGGAGAGGTTACCGGGACTTT  
 CTGCAGCGCTCCTGCCGGCGGGGCGGGTCTGTGGTCCGCTGGGCGGCGCCTGTGCTGTTAAGGC  
 GTAAAAACAGCTGCGTGTACAGAGCCTCCACTGCTGCCAGTGTGGCTGTGCAGGCGCGGGGATGGCGG  
 AGGCGTTGAGTGCAGTGTGGAGACCCATTGCTTGACCCTAGCCTGCGGGAGCCTGAACTGGAGCCTCCC  
 GCATGTCTGAGCGCCTGCCCCATCCCGGGCCAACCTCTGAACCTTTTACCACCGTGTGATTCCGG  
 GGCTCGGGCTCTGCGCCACCCTGGCTGCCTAGCCCTATTGGAGAGGAGGAAGAGAGTCCGGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207431 representing NM\_145388  
 Red=Cloning site Green=Tags(s)

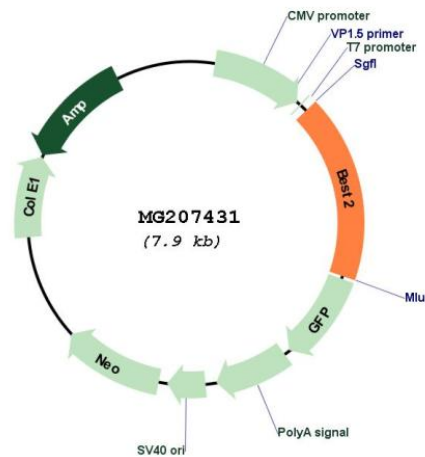
MALSAAYRFLLAEEQKRYFEKLVICYDQYASLIPVSFVLGFYVTLVVHRWWNQYLCMPLPDALMCIVAGT  
 VHGRDDRGRLYRRTLMRYAGLSAVLILRSVSTAVFKRFPTIDHVVEAGFMTRERKKFENLNSSYNKYWV  
 PCVWFSSLAARREGRIKDNSALKLLLEELNVFRSKGMLFHYDWISIPLVYTQVVTIAVYSYFLACLI  
 GRQFLDPAQGYKDHTLDCVPIFTLLQFFFYAGWLKVAEQLINPFGEDDDDFETNFLIDRNFQVSMIAVD  
 EMYDDLAMLEKDLYWDAEARAPYTAATAFLLQQPSFQGSTFDIALAKEDMQFQRLDGVDPGLGEVHGDF  
 LQRLLPAGAGSVGPLGRRLLSLLRRKNSCVSEASTAASCGCAGAADGGGVECGCGDPLLDPSLREPELEPP  
 ACPEPPAPIPGTPEPFTTYSIPGRAPAPPWLPSPIGEEEEESPA

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_145388

**ORF Size:** 1395 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_145388.1, NP_663363.1</u>
<b>RefSeq Size:</b>	1957 bp
<b>RefSeq ORF:</b>	1527 bp
<b>Locus ID:</b>	212989
<b>Cytogenetics:</b>	8 C3
<b>Gene Summary:</b>	Forms calcium-sensitive chloride channels. Permeable to bicarbonate.[UniProtKB/Swiss-Prot Function]