

## Product datasheet for **MC220299**

### **Best3 (NM\_001007583) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Best3 (NM_001007583) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Best3
Synonyms:	mBest4; Vmd2l3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC220299 representing NM\_001007583  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACTGTCACCTACTCCAGTAAAGTAGCAAATGCAACATTTTTGGATTTCATAGTTGCTTCTCAAGT  
 GGAGAGGTAGTATCTACAAGCTGCTGTACAGGGAATTTATTGTTTTGCTGTTCTTTACACAGCAATCAG  
 TCTGGTGTACAGATTGTTACTTACAGGAGCCAAAAACGTTACTTTGAAAAATTATCAATTTACTGTGAC  
 AGATATGCTGAACAAATCCAGTAACTTTGTGCTTGGGTTTTACGTCACCTCTGGTAGTGAACCGATGGT  
 GGAACCGATTTGTGAATCTGCCTTGGCCAGACAGGCTGATGCTCCTCATTCCAGCAGTGTCCACGGGAG  
 CGACCAGCATGGGCGCTGCTCAGAAGGACGCTGATGCGCTACGTC AACCTGACGTCCTGCTCATCTTC  
 CGCTCGGTGAGCACCGCGGTGTACAAGAGGTTTCCACCATGGACCAGTGGTGAAGCAGGTTTTATGA  
 CGGCAGATGAGAGGAAATATTCGACCACCTCAAATCGCCTCATCTGAAGTACTGGGTTCCCTTCATTTG  
 GTTTGGAATCTTGCAACCAAAGCCCGAATGAAGGCAGAATCAGAGACAGCGTTGATCTACAATCACTG  
 ATGACTGAAATGAATCGGTACCGCTCTTGGTGCAGCCTCTATTTGGTTACGACTGGGTTGGCATTCCGC  
 TGGTTTACACACAGGTCGTCACCCTCGCGTCTACACGTTCTTCTTTGCTGCGCTGATCGGAAGGAGTT  
 CCTGGATCCCACAAAGGCTACGTAGGACATGACTTGGATCTGTACGTTCCCATCTTCACTCTCCTCCAG  
 TTCTTCTTCTACGCAGGATGGCTCAAGGTTGCAGAGCAGCTGATCAACCCCTTCGGGGAAGATGACGATG  
 ACTTTGAAACAACTGGTGCATTGACAGAACTGCAGGCTCTCTCTTGGCTGTGGATGAAATGCATAT  
 GAGTTTGCCCAAGATGAAGAAGGACATTTACTGGGACGATTCTGCTGCCCGGCCACCGTACACACTGGCG  
 GCTGCCGACTACTGCATACCGTCCTTTCTGGGCTCAACGATCAAATGGGGCTGCCGGTCCAACCTCC  
 CCGCAGGACTGGCTGTGGAACACGAGAAACCGAAACCGCACTCAGTGATGAGGAGGGTCAAGCG  
 CTTCCTGAGTACCCACGAGCATCCTGGCAGCCCCAGGAGGAGGAGCTTCGGCAGGCAGGCCAGCGAC  
 AGCTCCATGTTCTTACCCCAAGCCAGCTCGGGATCTGCTGGATGTGCCGTCCAGGAACCCCCACCGAG  
 GCTCGCCACACGGAAGCAATCCCGCTCCCAAGAGGGCAGCCCCAAGCTGCACTCCAGCATGGGAGAACT  
 GTCCACCATCAGGGAGACCAGCCGTACCAGCACGCTGCAGAGCCTGAGCCCGCAGTCCAGCGTGAGGTCC  
 TCCCTACCAAATGCCCGAGTCCCTGAGGTCTAATCACCGCCGCTGAAGCACCAGCGTTCTCAGCAG  
 ACAGCCATCAGCATGACTCCACTACCTCCATCTTGAGCCTCGAGTTCACCGGGTGCAGCCGAGCGGGAC  
 TGAGCAGCAGGTAGAGCCTTCAGGGACCCACCTGGAGACCCCAATCCCCAGACTACTTCAGCCAGTACT  
 GAAAGAGACTTGTCAAGTTCGAGGAAGATCTAGAGGATGACAGATTTCCAAAAGGTGGAGCCTGCCAG  
 AGTTTCTGGAGTCCAGGCACACCTCGCTGGGAACTTAGGTCCAGATCCTGTGAGTCCCCGGGATGCTCT  
 TCTTTTACCTGACACAGAAACACCTCAGAGACCAACGGAATCCATCCTGGGGCTGGCTCTGCCCTCGCC  
 CCCGACATCCTGTACTTAATGGAAGTTTGATAAGGAAACAGACATCTTGGAGTTTAAACACGAGCACAC  
 CTGGAGAATCCCCGAAGGGAACACCACAGCGCCCCAGGACCTGGTT**C****TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_001007583
- Insert Size:** 2010 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_001007583.1](#), [NP\\_001007584.1](#)

**RefSeq Size:** 2719 bp

**RefSeq ORF:** 2010 bp

**Locus ID:** 382427

**UniProt ID:** [Q6H1V1](#)

**Cytogenetics:** 10 D2

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