OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG220298

Best3 (NM_001007583) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Best3 (NM_001007583) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Best3
Synonyms:	mBest4; Vmd2l3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG220298 representing NM_001007583
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACTGTCACTTACTCCAGTAAAGTAGCAAATGCAACATTTTTTGGATTTCATAGGTTGCTTCTCAAGT
GGAGAGGTAGTATCTACAAGCTGCTGTACAGGGAATTTATTGTTTTTGCTGTTCTTTACACAGCAATCAG
TCTGGTGTACAGATTGTTACTTACAGGAGCCCAAAAACGTTACTTTGAAAAATTATCAATTTACTGTGAC
AGATATGCTGAACAAATTCCAGTAACCTTTGTGCTTGGGTTTTACGTCACTCTGGTAGTGAACCGATGGT
GGAACCAGTTTGTGAATCTGCCTTGGCCAGACAGGCTGATGCTCCTCATTTCCAGCAGTGTCCACGGGAG
CGACCAGCATGGGCGCCTGCTCAGAAGGACGCTGATGCGCTACGTCAACCTGACGTCCCTGCTCATCTTC
CGCTCGGTGAGCACCGCGGTGTACAAGAGGTTTCCCACCATGGACCACGTGGTCGAAGCAGGTTTTATGA
CGGCAGATGAGAGGAAATTATTCGACCACCTCAAATCGCCTCATCTGAAGTACTGGGTTCCCTTCATTTG
GTTTGGAAATCTTGCAACCAAAGCCCGGAATGAAGGCAGAATCAGAGACAGCGTTGATCTACAATCACTG
ATGACTGAAATGAATCGGTACCGCTCTTGGTGCAGCCTCTTATTTGGTTACGACTGGGTTGGCATTCCGC
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ACAGCCATCAGCATGACTCCACTACCTCCATCTTGAGCCTCGAGTTCACCGGGGTGCAGCCGAGCGGGAC
TGAGCAGCAGGTAGAGCCTTCAGGGACCCCACCTGGAGACCCCAATCCCCAGACTACTTCAGCCAGTACT
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AGTTTCTGGAGTCCAGGCACACCTCGCTGGGAAACTTAGGTCCAGATCCTGTGAGTCCCCGGGATGCTCT
TCTTTTACCTGACACAGAAACACCCTCAGAGACCAACGGAATCCATCCTGGGGCTGGCTCTGCCCTCGCC
CCCGACATCCTGTACTTAATGGAAAGTTTGGATAAGGAAACAGACATCTTGGAGTTTAACAACGAGCACA
CTGGAGAATCCCCGAAGGGAACACCACAGCGCCCCAGGACCTGGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG220298 representing NM_001007583
Red=Cloning site Green=Tags(s)

MTVTYSSKVANATFFGFHRLLLKWRGSIYKLLYREFIVFAVLYTAISLVYRLLLTGAQKRYFEKLSIYCD
RYAEQIPVTFVLGFYVTLVVNRWWNQFVNLPWPDRLMLLISSSVHGSDQHGRLLRRTLMRYVNLTSLLIF
RSVSTAVYKRFPTMDHVVEAGFMTADERKLFDHLKSPHLKYWVPFIWFGNLATKARNEGRIRDSVDLQSL
MTEMNRYRSWCSLLFGYDWVGIPLVYTQVVTLAVYTFFFACLIGRQFLDPTKGYVGHDLDLYVPIFTLLQ
FFFYAGWLKVAEQLINPFGEDDDDFETNWCIDRNLQVSLLAVDEMHMSLPKMKKDIYWDDSAARPPYTLA
AADYCIPSFLGSTIQMGLSGSNFPAEDWLWNYEKHGNRHSVMRRVKRFLSTHEHPGSPRRRRSFGRQASD
SSMFLPPSPARDLLDVPSRNPHRGSPTRKQSRSQEGSPKLHSSMGELSTIRETSRTSTLQSLSPQSSVRS
SPTKMPQVPEVLITAAEAPAFSADSHQHDSTTSILSLEFTGVQPSGTEQQVEPSGTPPGDPNPQTTSAST
ERDLFKFEEDLEDDRFPKRWSLPEFLESRHTSLGNLGPDPVSPRDALLLPDTETPSETNGIHPGAGSALA
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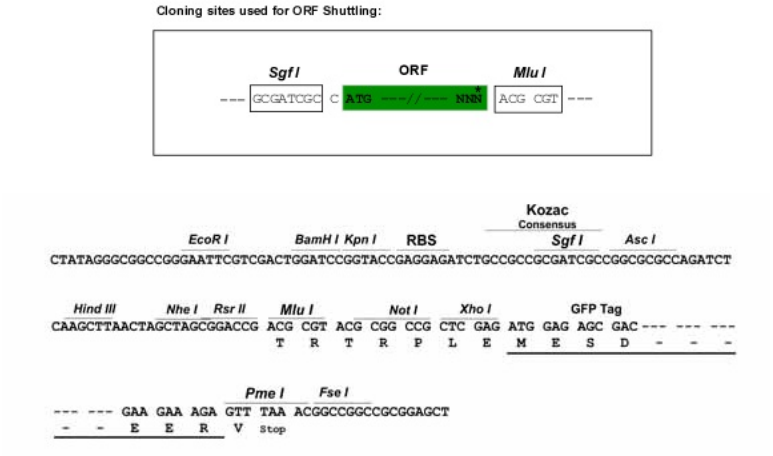
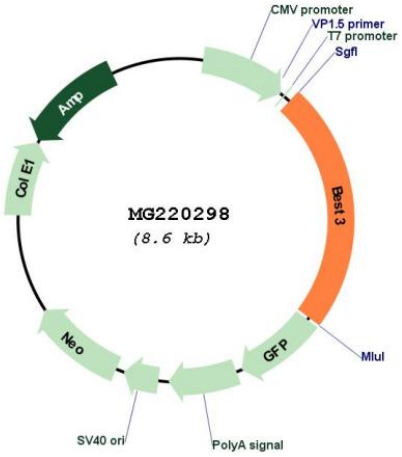
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001007583
ORF Size:	2007 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_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]