

Product datasheet for **MR227104**

Best1 (NM_011913) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Best1 (NM_011913) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Best1
Synonyms:	Bmd; mBest1; Vmd2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR227104 representing NM_011913
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACTATCACCTACACAAACAAAGTAGCCAATGCCCGCCTCGGTTCTGTTCTCGTCCCTCCTCTGTGCT
 GCGGAGGCAGCATCTACAAGCTGCTGTATGGAGAATTCCTTGTCTTCATATTCCTCTACTATTCCATCCG
 TGGACTCTACAGAATGGTTCTCTCGAGTGATCAGCAGCTGTTGTTTGAGAAGCTGGCTCTGTACTGCGAC
 AGCTACATTCAGCTCATCCCTATATCCTTCGTTCTGGGTTTCTATGTTACATTGGTGGTGGAGCCGCTGGT
 GGAGCCAGTACGAGAAGCTGCCGTGGCCCGACCGCCTCATGATCCAGGTGTCTAGCTTCGTGGAGGGCAA
 GGATGAGGAAGGCCGTTTGTGCGGGCGCACGCTCATCCGCTACGCCATCCTGGCCAAAGTGTCTATCCTG
 CGCAGCATCAGCACCTCGGTCTACAAGCGCTTCCCACTTTACCACCTGGTGTAGCAGGTTTTATGA
 CCCATGGGGAACATAAGCAGTTGCAGAAGTTGGGCCTACCACACAACACATTCTGGGTGCCCTGGGTGTG
 GTTTGCCAACTTGTCAATGAAGGCTATCTTGGAGGTGCAATCCGGGACACCGTCTGCTCCAGAGCCTG
 ATGAATGAGGTGTACTTTGCGTACTCAGTGTGGACAGCTGTATGCCTACGACTGGATAAGTATCCCAT
 TGGTGTACACACAGGTGGTGACAGTGGCAGTATACAGCTTTTTCTTGCATGCTTGATCGGGAGGAGTT
 TCTGAACCCAAACAAGGACTACCCAGGCCATGAGATGGATCTGGTGTGCCTGTCTTACAATCCTGCAA
 TTCTTATTCTACATGGGCTGGCTGAAGGTGGCAGAACAGCTCATCAACCCCTTCGGGGAGGACGATGATG
 ATTTTGAGACTAACTGGATCATTGACAGAACTGCAGGTGTCCCTGTTGTCCGTGGATGGGATGCACCA
 GAACCTTGCCCTCCCATGGAACGTGACATGTACTGGAACGAGGCAGCGCCTCAGCCGCCCTACACAGCTGT
 TCTGCCAGGTCTCGCCGCATTCCTTCTGCGGCTCCACCTCAACATCAGCCTAAAGAAAGAAGACTTAG
 AGCTTTGGTCAAAGAGGAGGCTGACACGGATAAGAAAGAGAGTGGCTATAGCAGCACCATAGGCTGCTT
 CTTAGGACTGCAACCCAAAACTACCATCTTCCCTTGAAGACTTAAAGACCAAACTATTGTGTTCTAAG
 AACCCCTCCTCGAAGGCCAGTGAAGGATGCCAACAGAAAAACAGAAAGATGCTGGAATTTAAGG
 GTCTGGACTTCTTGAATGTGTTCCAAGGTTAAGAGGAGAGGCTCCCATTGTGGCCACAGGCACCCAG
 CAGCCACCCTACTGAGCAGTCAACCCCTCCAGTTCAGACACAGGTGATGGGCTTCCACAGATTACCAA
 GAAATCTGTACATGAAAAAGAAAAGTGTGGAGTTTAACTTGAACATTCCAGAGAGCCCCACAGAATC
 TTCAACAGCGCGTTTGGACCAGATGTCAACCAATATACAGGCTCTAATGAAGGAGCATGCAGAGTCTTA
 TCCCTACAGGGATGAAGCTGGCACCAAACTGTTCTCTATGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227104 representing NM_011913
 Red=Cloning site Green=Tags(s)

MTITYTNKVANARLGSFSSLLLCWRGSIYKLLYGEFLVIFLYYSIRGLYRMVLSDDQQLFEKALALYCD
 SYIQLIPIISFVLGFYVTLVVSRRWWSQYENLPWPDRMLIQVSSFVEGKDEEGRLLRRTLIRYAILGQVLIL
 RSISTSVYKRFPTLHHLVLAGFMTHGEHKQLKQLGLPHNTFWVPWVWFANLSMKAYLGGIRIDTVLLQSL
 MNEVCTLRQCGQLYAYDWISIPLVYTQVVTAVVYSFFLAELIGRQFLNPNKDYPGHEMDLVVPVFTILQ
 FLFYMGWLKVAEQLINPFGEDDDDFETNWIIDRNLQVSLLSVDGMHQNLPPMERDMYWNEAAPPPYTAA
 SARSRHSFMGSTFNISLKKEDLELWSKEEADTDKKEGYSSTIGCFGLQPKNYHLPLKDLKTKLLCSK
 NPLLEGGCKDANQKNQKDVWFKGLDFLKCVPFRKRRGSHCGPQAPSSHPTEQSAPSSSDTDGDPSTDYQ
 EICHMKKKTVEFNLNIPESPTHEHLQRRLDQMSTNIQALMKEHAESYPYRDEAGTKPVLYE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_011913

ORF Size: 1653 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

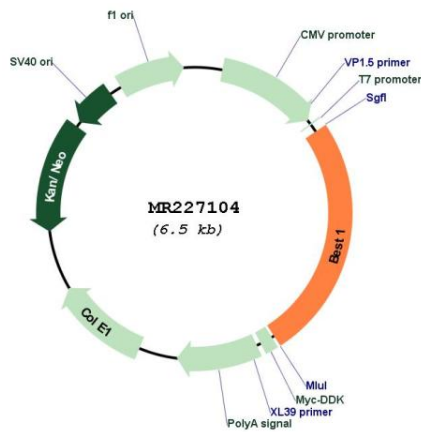
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_011913.2](#), [NP_036043.2](#)
RefSeq Size: 2087 bp
RefSeq ORF: 1656 bp
Locus ID: 24115
UniProt ID: [O88870](#)
Cytogenetics: 19 A
MW: 64.1 kDa
Gene Summary: Forms calcium-sensitive chloride channels. Permeable to bicarbonate (By similarity).
 [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227104