

Product datasheet for **MR228221**

Bad (NM_001285453) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bad (NM_001285453) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Bad
Synonyms: A1325008; Bbc2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228221 representing NM_001285453
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTCCAGATCCAGAGTTTGAGCCGAGTGAGCAGGAAGACGCTAGTGCTACAGATAGGGGCTGGGCC
CTAGCCTCACTGAGGACCAGCCAGTCCCTACCTGGCCCCAGGTCTCTGGGGAGCAACATTCATCAGCA
GGGACGGGCAGCCACCAACAGTCATCATGGAGGCGCAGGGGCTATGGAGACTCGGAGTCGCCACAGTTTCG
TACCCAGCGGGGACCGAGGAGGATGAAGGGATGGAGGAGGAGCTTAGCCCTTTTCGAGGACGCTCGCGTT
CGGCTCCCCCAATCTCTGGGCAGCGCAGCGCTACGGCCGTGAGCTCCGAAGGATGAGCGATGAGTTTGA
GGGTTCTTCAAGGGACTTCTCGCCAAAGAGCGCAGGCACTGCAACACAGATGCGACAAGCGCCGGC
TGGACGCGCATTATCCAGTCTGGTGGGATCGAAACTTGGGCAAAGGAGGCTCCACCCCTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228221 representing NM_001285453
Red=Cloning site Green=Tags(s)
MFQIPEFEPSEQEDASATDRGLGPSLTEDQPGPYLAPGLLGSNIHQGRAATNSHHGGAGAMETRSRHSS
YPAGTEEDEGMEEELSPFRGRSRSAPPNLWAAQRYGRELRRMSDEFEGSFKGLPRPKSAGTATQMRQSAG
WTRIIQSWWDRNLGKGGSTPSQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

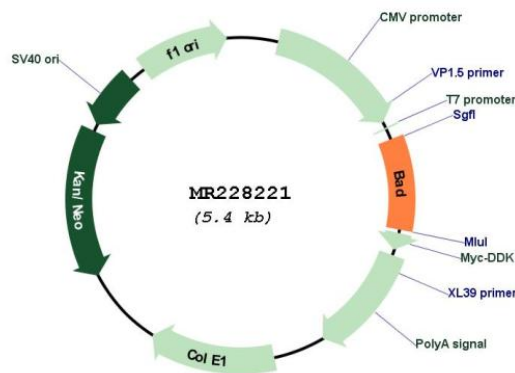
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001285453

ORF Size: 486 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:	<ol style="list-style-type: none">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:	<u>NM_001285453.1, NP_001272382.1</u>
RefSeq Size:	941 bp
RefSeq ORF:	489 bp
Locus ID:	12015
Cytogenetics:	19 A
MW:	18.2 kDa
Gene Summary:	Promotes cell death. Successfully competes for the binding to Bcl-X(L), Bcl-2 and Bcl-W, thereby affecting the level of heterodimerization of these proteins with BAX. Can reverse the death repressor activity of Bcl-X(L), but not that of Bcl-2. Appears to act as a link between growth factor receptor signaling and the apoptotic pathways.[UniProtKB/Swiss-Prot Function]