

Product datasheet for MR225008

Bad (NM_007522) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bad (NM_007522) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Bad
Synonyms: A1325008; Bbc2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR225008 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGAACCCAAAGCAGCCCTCGCTGGCTCCTGCACACGCCCTAGGCTTGAGGAAGTCCGATCCCGGAA
 TCCGGAGCCTGGGGAGCGACGCGGGAGGAAGGCCGGTGGAGACCAGCAGCCAGAGTATGTTCCAGATCCC
 AGAGTTTGAGCCGAGTGAGCAGGAAGACGCTAGTGCTACAGATAGGGCCTGGGCCCTAGCCTCACTGAG
 GACCAGCCAGGTCCCTACCTGGCCCCAGGTCTCCTGGGGAGCAACATTCATCAGCAGGGACGGGCAGCCA
 CCAACAGTCATCATGGAGGCGCAGGGGCTATGGAGACTCGGAGTCGCCACAGTTCGTACCCAGCGGGGAC
 CGAGGAGGATGAAGGGATGGAGGAGGAGCTTAGCCCTTTTCGAGGACGCTCGCGTTTCGGCTCCCCCAAT
 CTCTGGGCAGCGCAGCGCTACGGCCGTGAGTCCGAAGGATGAGCGATGAGTTTGAGGGTTCCTTCAAGG
 GACTTCTCGCCAAAGAGCGCAGGCACTGCAACACAGATGCGACAAAGCGCCGGCTGGACGCGCATTAT
 CCAGTCTCGTGGGATCGAAACTTGGGCAAGGAGGCTCCACCCCTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR225008 protein sequence
 Red=Cloning site Green=Tags(s)

MGTPKQPSLAPAHALGLRSDPGIRSLGSDAGRRWRPAAQSMFQIPEFEPSEQEDASATDRGLGPSLTE
 DQPGPYLAPGLLGSNIHQGRAATNSHHGGAGAMETRSRHSSYPAGTEEDEGMEEELSPFRGRSRAPPN
 LWAAQRYGRELRRMSDEFEGSFKGLPRPKSAGTATQMRQSAGWTRIIQSWWDRNLGKGGSTPSQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007522

ORF Size: 615 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_007522.3](#), [NP_031548.1](#)

RefSeq Size: 1458 bp

RefSeq ORF: 615 bp

Locus ID: 12015

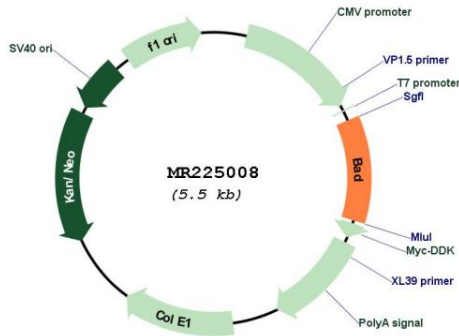
UniProt ID: [Q61337](#)

Cytogenetics: 19 A

MW: 22.1 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]

Product images:



Circular map for MR225008