

Product datasheet for **RC200634**

BAD (NM_004322) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BAD (NM_004322) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: BAD
Synonyms: BBC2; BCL2L8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC200634 representing NM_004322
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCAGATCCCAGAGTTTGAGCCGAGTGAGCAGGAAGACTCCAGCTCTGCAGAGAGGGGCTGGGCC
CCAGCCCCGAGGGGACGGCCCTCAGGCTCCGGCAAGCATCATCGCCAGGCCCCAGGCCTCTGTGGGA
CGCCAGTACCAGCAGGAGCAGCCAACCAGCAGCAGCCATCATGGAGGCGCTGGGCTGTGGAGATCCGG
AGTCGCCACAGCTCTACCCCGGGGACGGAGGACGACGAAGGGATGGGGGAGGAGCCAGCCCCCTTC
GGGGCCGCTCGGCTCGGCGCCCCCACTCTGGGCAGCACAGCGCTATGGCCGCGAGCTCCGGAGGAT
GAGTGACGAGTTTGTGGACTCCTTAAGAAGGGACTTCCTCGCCGAAGAGCGCGGGCACAGCAACGCAG
ATGCGGCAAAGCTCCAGCTGGACGCGAGTCTCCAGTCTGTTGGGATCGGAACCTGGGCAGGGGAGCT
CCGCCCCCTCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC200634 representing NM_004322
Red=Cloning site Green=Tags(s)

MFQIPEFEPSEQEDSSSAERGLGSPAGDGPSPSGKHHHRQAPGLLDASHQQEQPTSSSHHGAGAVEIR
SRHSSYPAGTEDDEGMGEESPFRGRSAPPNLWAAQRYGRELRMSDEFVDSFKKGLPRPKSAGTATQ
MRQSSWTRVFSWDRNLGRGSSAPSQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

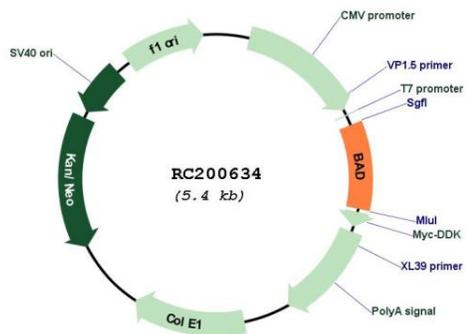
Chromatograms: https://cdn.origene.com/chromatograms/mk6367_d06.zip



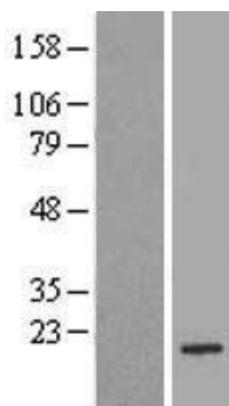
[View online »](#)

Locus ID: 572
UniProt ID: [Q92934](#)
Cytogenetics: 11q13.1
Protein Families: Druggable Genome
Protein Pathways: Acute myeloid leukemia, Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Chronic myeloid leukemia, Colorectal cancer, Endometrial cancer, ErbB signaling pathway, Focal adhesion, Insulin signaling pathway, Melanoma, Neurotrophin signaling pathway, Non-small cell lung cancer, Pancreatic cancer, Pathways in cancer, Prostate cancer, VEGF signaling pathway
MW: 18.2 kDa
Gene Summary: The protein encoded by this gene is a member of the BCL-2 family. BCL-2 family members are known to be regulators of programmed cell death. This protein positively regulates cell apoptosis by forming heterodimers with BCL-xL (B-cell lymphoma-extra large) and BCL-2, and reversing their death repressor activity. Proapoptotic activity of this protein is regulated through its phosphorylation. Protein kinases AKT and MAP kinase, as well as protein phosphatase calcineurin were found to be involved in the regulation of this protein. Alternative splicing of this gene results in two transcript variants which encode the same isoform. [provided by RefSeq, Dec 2019]

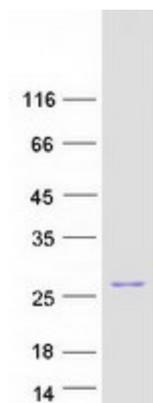
Product images:



Circular map for RC200634



Western blot validation of overexpression lysate (Cat# [LY403214]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC210630] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified BAD protein (Cat# [TP300634]). The protein was produced from HEK293T cells transfected with BAD cDNA clone (Cat# RC200634) using MegaTran 2.0 (Cat# [TT210002]).