

Product datasheet for **SC107955**

BAD (NM_004322) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BAD (NM_004322) Human Untagged Clone
Tag:	Tag Free
Symbol:	BAD
Synonyms:	BBC2; BCL2L8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_004322 edited ATGTTCCAGATCCCAGAGTTTGAGCCGAGTGAGCAGGAAGACTCCAGCTCTGCAGAGAGG GGCCTGGGCCCCAGCCCCGAGGGGACGGGCCCTCAGGCTCCGGCAAGCATCATCGCCAG GCCCCAGGCCTCCTGTGGGACGCCAGTACCAGCAGGAGCAGCCAACCAGCAGCAGCCAT CATGGAGGCGCTGGGGCTGTGGAGATCCGGAGTCGCCACAGCTCCTACCCCGGGGACG GAGGACGACGAAGGGATGGGGGAGGAGCCAGCCCTTTCGGGGCCGCTCGCGCTCGGCG CCCCCAACCTCTGGGCAGCACAGCGCTATGGCCGCGAGCTCCGGAGGATGAGTGACGAG TTTGTGGACTCCTTAAGAAGGGACTTCTCGCCCGAAGAGCGCGGGCACAGCAACGCAG ATGCGGCAAAGCTCCAGCTGGACGCGAGTCTCCAGTCTGGTGGGATCGGAACTTGGGC AGGGGAAGCTCCGCCCCCTCCCAGTGA



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004322 unedited
 NTTTCACGATTTGTATACGATTCATATAGGCGGCCGNAATTCGCACGAGGGGGAGGCG
 GCAGGCCCGGGTCAGGGGCTCGAGATCGGGCTTGGGCCAGAGCATGTTCCAGATCCCA
 GAGTTTGAGCCGAGTGAGCAGGAAGACTCCAGCTCTGCAGAGAGGGGCTGGGCCCCAGC
 CCCGCAGGGGACGGGCCCTCAGGCTCCGGCAAGCATCATCGCCAGGCCCCAGGCCTCTG
 TGGGACGCCAGTACCAGCAGGAGCAGCCAACCAGCAGCAGCCATCATGGAGGCGCTGGG
 GCTGTGGAGATCCGGAGTCGCCACAGCTCTACCCCGGGGACGGAGGACGACGAAGGG
 ATGGGGGAGGAGCCAGCCCTTTCGGGGCCGCTCGCGCTCGGGCCCCCAACCTCTGG
 GCAGCACAGCGCTATGGCCGCGAGCTCCGGAGGATGAGTGACGAGTTTGTGGACTCCTTT
 AAGAAGGGACTTCTCGCCGAAGAGCGCGGGCACAGCAACGCAGATGCGGCAAAGCTCC
 AGCTGGACGCGAGTCTTCCAGTCTGGTGGGATCGGAACCTGGGCAGGGGAAGCTCCGCC
 CCCTCCCAGTGACCTTCGCTCCACATCCCAGAACTCCACCCGTTCCCACTGCCCTGGGCA
 GCCATCTGAATATGGGCGGAAGTACTTCCCTCAGGCCTATGCAAAAAGAGGATCCGTGC
 TGTCTCCTTTGGAGGGAGGGCTGACCCAGATTCCCTTCCCGTGCCTGTGAAGCCCCCGGA
 AGCTTGGTCCCATCCGAAGTTATGGGTTTTCCGCCCCAGCCCGGTAGTGGCTCCGTG
 GCCCCGCCCTCAGCTCCGGCTTCCCCCAGCGCCTGCCCTAATTGCGAGCCAGGTTTAC
 CGTTGTGTACCGGGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004322 unedited
 GCCCTCGATAGTCGAGTTTTTTTTTTTTTTTTTTTTTGCACAAACGCGGTCTTTATTAACA
 TTTGGTAGTGAGCACGGCCCCAGGGCATCGCGGGGGCTCGGGTCCCGGTGACGCAACGG
 TTAACCTGGCTCGGACTTAACGCAGGCGCTGGGGAAAGCCCGGAGCCTGAGGGCGG
 GGCCACGGAGCCACTTCCGGCGGCTGTGGGCGGAAAACCAAACTTCCGATGGGACCAA
 GCCTTCCGTGGCTTACACGCACCGGAAGGAATCTGGGTCAGCCCTCCCTCAAAGGAG
 ACAGCACGGATCCTTTTTGCATAGGCCTGAGGGAAGTACTTCCGCCATATTCAAGAT
 GGCTGCCCAGGGCAGTGGGAACGGTGGAGTTTCGGGATGTGGAGCGAAGGTCACTGGGA
 GGGGGCGGAGCTTCCCCTGCCAAGTCCGATCCCACCAGGACTGGAAGACTCGCGTCCA
 GCTGGAGCTTTGCCGCATCTGCGTTGCTGTGCCCGGCTCTTCGGGCGAGGAAGTNCCTT
 CTTAAAGGAGTCCACAACTCGTCACTCATCTCCGGAGCTCGCGCCATAGCGTGTGC
 TGCCANAGTTGGGGGGCGCCNAGCGGAGCGGCCCNAAAGGGGCTGGGCTCCTCCCCA
 TCCTTTGTCTCCTCCGTCGCCCGGGGTATGAGCTGTGGGCACTTCCGATCTCACAGC
 CCCAGCGCCTCATGATGGCTGCTGCTGGNTGGCTGCTCCTGCTGGTACTGGCGTCCACA
 CGAAGCCTGNGGCCCTGCGATGATTCTTGCCGAAACCTGAGGCCCTGTCCCTGTCGGGC
 TGGGGCCCAAGCCCCCTTTGCAAGCTGAATCTTCTGCTACTCGCTCAACTTTGGGACTG
 AACATGTCTGGGCCAACCCGATTTGAGGCCTGAACGGNCTGCCCTCCCTTTGCAGAATC
 GGGCCCCCTTAAGAGTGTACAAATTGAG

Restriction Sites:

NotI-NotI

ACCN:

NM_004322

Insert Size:

1110 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	NM_004322.2 , NP_004313.1
RefSeq Size:	1127 bp
RefSeq ORF:	507 bp
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
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.</p>