

Product datasheet for SC108970

BAD (NM_032989) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BAD (NM_032989) 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 sequence for NM_032989 edited
 GAATTCGACGAGGGGACGGCCCGGGTCAGGGGCCTCGAGATCGGGCTTGGGCCAGAG
 CATGTTCCAGATCCCAGAGTTTGAGCCGAGTGAGCAGGAAGACTCCAGCTCTGCAGAGAG
 GGGCCTGGGCCCCAGCCCGCAGGGGACGGCCCTCAGGCTCCGCAAGCATCATCGCCA
 GGCCCCAGGCCTCCTGTGGGACGCCAGTACCAGCAGGAGCAGCCAACCGCAGCAGCCA
 TCATGGAGGCGCTGGGGCTGTGGAGATCCGGAGTCGCCACAGCTCTACCCCGGGGGAC
 GGAGGACGACGAAGGGATGGGGAGGAGCCAGCCCTTTGGGGCCGCTCGCGCTCGGC
 GCCCCCCAACCTCTGGGCAGCACAGCGCTATGGCCGCGAGCTCCGGAGGATGAGTGACGA
 GTTTGTGGACTCCTTTAAGAAGGGACTTCTCGCCGAAGAGCGCGGGCACAGCAACGCA
 GATGCGGCAAAGCTCCAGCTGGACGCGAGTCTTCCAGTCTGGTGGGATCGGAATTGGG
 CAGGGGAAGCTCCGCCCCCTCCAGTGACCTTCGCTCCACATCCCGAACTCCACCGTT
 CCCACTGCGCTGGCAGCCATCTTGAATATGGGCGGAAGTACTTCCCTCAGGCCTATGCA
 AAAAGAGGATCCGTGCTGTCTCCTTTGGAGGGAGGGCTGACCCAGATTCCCTTCCGGTGC
 GTGTGAAGCCACGGAAGGCTTGGTCCCATCGGAAGTTTTGGGTTTTCCGCCACAGCCGC
 CGGAAGTGGCTCCGTGGCCCCGCCCTCAGGCTCCGGGCTTTCCCCAGGCGCCTGCGCTA
 AGTCGCGAGCCAGGTTAAACCGTTGCGTCACCGGGACCCGAGCCCCCGGATGCCCTGGG
 GGCCGTGCTCACTACAAATGTTAATAAAGCCCGCTGTGTGCCCAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTCGAC



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_032989 unedited</p> <pre>GGTCANAATATGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGGGCAGGCC GGGTCAGGGGCTCGAGATCGGGCTTGGGCCAGAGCATGTTCCAGATCCCAGAGTTTGA GCCGAGTGAGCAGGAAGACTCCAGCTCTGCAGAGAGGGGCTGGGCCAGCCCCGAGG GGACGGGCCCTCAGGCTCCGGCAAGCATCATCGCCAGGCCAGGCTCCTGTGGACGC CAGTACCAGCAGGAGCAGCAACCAGCAGCAGCCATCATGGAGGCGCTGGGCTGTGGA GATCCGGAGTCGCCACAGCTCCTACCCCGGGGACGGAGGACGACGAAGGGATGGGGGA GGAGCCCAGCCCCCTTTCGGGGCCGCTCGCGCTCGGCGCCCCCAACCTCTGGGCAGCACA GGCTATGGCCGCGAGCTCCGGAGGATGAGTGACGAGTTTGTGGACTCCTTTAAGAAGGG ACTTCTCGCCCAGAGCGCGGGCACAGCAACGCAGATGCGGCAAAGCTCCAGCTGGAC GCGAGTCTTCCAGTCTGGTGGGATCGAACTTGGGCAGGGGAAGCTCCGCCCTCCCA GTGACCTTCGCTCCACATCCCGAACTCCACCCGTTCCACTGCCCTGGCAGCCATCTT GAATATGGGCGGAAGTACTTCCCTCAGGCCTATGCAAAAAGAGGATCCGTGCTGTCTCT TTGGAGGGAGGGTGACCAGATTCCCTCCGGTGCCTGTGAAGCCACGGAAGGCTTGGT CCCATCGNAAGTTTGGGTTTTCCGCCAGCCGCGAAGTGGCTNCGTGCCCCCCTC AGCTCCGGCTTTCCCCAGCGCTGCGCTAGTCGGAGCCAGTTACCGTTGCGTCACGGG ACCCGACCCCGGAGCCCTGGGGCGTGCTACTACCAATGTAA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_032989 unedited</p> <pre>TTACCGCGCCGATTCTANATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTGGGGGGACAAACCCCGCTTTATTAACATTTGGGAGTGAGCACCGGCCCAA GGCATTGCGGGGCTCGGTCCCGGGACCCAACGTTAAACCTGGCTTGCAGCTTAACG CAAGCGCTGGGGAAAACCCGAACTGAGGGCGGGCCACGGAGCCACTTTCGGGGGG TGGGGGCGAAAACCCAAACTTCCGATGGGACCAACCTTCCGTGGGTTTACACCCCC GGAAGGGAATCTGGGTCAACCCTCCCTTCAAAGGAGACAGCAGGATCCTTTTTTGCAT AAGCTGAGGGAAATACTTCCGCCATATTCAAAAAGGCTGCCCAAGGCAATGGGAACGG GTGGAGTTTCCGGATGTGGAACCAAGTCACTGGGAGGGGGCGGAGCTTCCCTGCCAA GTTCCGATCCCCCAGGACTGGAAGACTCCCGTCCCGCTGGAGCCTTCCGCAATTTGCGT TGTTGTCCCCCGCTCTTTGGGCGAAGAAGTCCCTTTTAAAGGAGGCCACAAAATCGTC ACTTATTCCTCCGAACCTCCGGGCATATCGCTTTGTTTTCCCAAGGTGGGGGGCCCCCA CCCCAACCGCCCAAGGGGCTGGCTCTCCCCCTCCCTTCCGCTTCCCTCTCCCTC CCCGGGCAGAACCTGCGCAACTTCGATTCCCACTACCCAGGCCCCATTACGGCCCTC CTGATTGTCCCCCTTCTGCGCCCGGCTTACCAGCGGCCCGCGGCCCCCATACCTCT CTCCTAACCTTAAGGCTCCTCACCTTGGGTTTTGACCTCCCCTCTCTTCAACCTAAC G</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_032989
Insert Size:	1090 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_032989.1 , NP_116784.1
RefSeq Size:	956 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 (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.</p>