

Product datasheet for **SC329173**

BACH2 (NM_001170794) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BACH2 (NM_001170794) Human Untagged Clone
Tag:	Tag Free
Symbol:	BACH2
Synonyms:	BTBD25; IMD60
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001170794, the custom clone sequence may differ by one or more nucleotides

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ATGTCTGTGGATGAGAAGCCTGACTCCCCATGTATGTGTATGAGTCCACAGTCCACTGC
ACCAACATCCTCCTGGGCTCAATGACCAGCGGAAAAAGGATATTCTCTGTGACGTGACT
TTGATCGTGGAGAGGAAGGAGTTCGGGGCCACCGGGCTGTGCTGGCCGCATGCAGTGAA
TATTTTTGGCAGGCGCTGGTTGGACAGACAAAAATGATTTGGTGGTCACTTGCCTGAG
GAGGTCACAGCCAGGGGCTTTGGGCCGTGTTACAGTTTGCCTACACTGCCAAGCTGTTA
CTCAGCAGAGAAAAACATCCGCGAGGTCATCCGCTGTGCTGAGTTCCTGCGCATGCACAAC
CTGGAGGACTCCTGCTTCACTTCTGACAGCCAGCTCCTGAACAGTGAGGATGGCCTG
TTTGTGTGCCGAAGGATGCTGCGTGCCAGCGCCACACGAGGACTGCGAGAACTCTGCA
GGAGAGGAGGAGGATGAAGAGGAGGAGACGATGGATTCAGAGACGGCCAAGATGGCTTGC
CCCAGGGACCAGATGCTTCCAGAGCCATCAGCTTTGAGGCCGCCCATCCCCGTAGCA
GAGAAGGAAGAAGCCCTGCTGCCCGAGCCTGACGTGCCACAGACACCAAGGAGAGCTCA
GAAAAGGACGCGTTAACGCAGTACCCAGATACAAGAAATACCAGCTTGCATGTACCAAG
AATGTCTATAATGCATCATCACACAGTACCTCAGGTTTTGCAAGCACATTCGGGAAGAT
AACTCTAGCAACAGCCTCAAGCCGGGGCTTGCCAGGGGGCAGATTAAGTGAGCCGCC
AGTGAAGAGAATGAGGAAGAGAGCATCACGCTCTGCCTGTCTGGAGATGAGCCTGACGCC
AAGGACAGAGCGGGGATGTCGAGATGGACCGGAAACAGCCAGCCCTGCCCTACCCCC
ACGGCCCCAGCTGGGGCCGCTGCTGGAGAGATCCAGGAGCGTGGCCTCGCCCTCCTGC
TTAAGGTCTCTGTTCAAGATAACGAAAAGTGTGGAGCTGTCTGGCCTGCCAGTACATCT
CAGCAGCACTTTGCCAGGAGTCCAGCCTGCCCTTTTGACAAGGGGATCACTCAGGGTGAC
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CCGGTACCAATCAAAGTCTGCCCTCGCTCACCCCTTGGAGACCAGGACCAGGACTTCC
AGCTCCTGCTCTCCTATTCTACGCGGAGGACGGGAGCGGGGGCTCACCTGCAGCCTC
CCTCTCTGTGAGTCTCCTCCTCGCCCTGTTCCAGGGAGCCAGATTCTTGGCCACAGAA
CATCAGGAACCAGCCTGATGGGAGATGGAATGTACAACCAAGTCCGGCCCCAAATTA
TGTGAGCAGTCTTATGGAACCAACTCCAGTGACGAATCCGGATCGTTCTCGGAAGCAGAC
AGTGAGTCGTGCTGTGCAAGGACAGGGGCCAGGAGGTAACACTTCTTTTCTGTAGAT
CAAATCACAGATCTTCAAGGAACGATTTCCAGATGATGATTAATAATGCACAAGCTAACC
TCAGAACAGTTAGAGTTTATTATGATGTCGACGGCGCAGCAAGAACCAGCATCGCGCC
CAGCGCTGCCGAAAAGGAACTGGACTGTATTAGAAATTTAGAAATGTGAAATCCGCAA
TTGGTGTGTGAGAAAGAGAACTGTTGTGAGAGAGGAATCAACTGAAAGCATGCATGGGG
GAACTGTTGGACAACCTTCTCCTGCCTTTCCAGGAAGTTTGGCAGACATCCAGAGCCCC
GAGCAGATCCAGGCCCTGCATCGGTATTGCCCTGCTCAGACCCATGGACTTGCACAG
GCCTCCAGTATTAACCCTGCGCCCTTGGGTGCTGAGCAGAACATTGCGGCCTCCCAATGC
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TGGGCACCCAGCAACACCTCCGAGAATTGTACCTCTGGGAGGAGACTAGAAGGCACTGAC
CCGGGAACCTTCTCAGAGAGAGGACCTCCTTGAACCCAGGAGCCAAACAGTGACCGTG
GACTTCTGCCAGGAAATGACTGATAAGTGTACAACACTGACGAACAGCCAGGAAAGATTAT
ACCTAG
    
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Restriction Sites: Please inquire
ACCN: NM_001170794

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001170794.1, NP_001164265.1</u>
RefSeq Size:	9118 bp
RefSeq ORF:	2526 bp
Locus ID:	60468
UniProt ID:	<u>Q9BYV9</u>
Cytogenetics:	6q15
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>Transcriptional regulator that acts as repressor or activator (By similarity). Binds to Maf recognition elements (MARE) (By similarity). Plays an important role in coordinating transcription activation and repression by MAFK (By similarity). Induces apoptosis in response to oxidative stress through repression of the antiapoptotic factor HMOX1 (PubMed:17018862). Positively regulates the nuclear import of actin (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks two exons in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>