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Product datasheet for SC308292

BACH1 (NM_206866) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BACH1 (NM_206866) Human Untagged Clone
Tag:	Tag Free
Symbol:	BACH1
Synonyms:	BACH-1; BTBD24
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_206866 edited
AGTCAGTCGGGCCGCGCCGCGCCTCAGCTCTGGTTGATGATAATTAGAAGCATGCTTTCC
ACTGAACTTCCCGACAACATTTGTTATGCAGAATGTCTCTGAGTGAGAACTCGGTTTTTG
CCTATGAATCTTCTGTGCATAGCACCAATGTTTTACTCAGCCTTAATGACCAGCGGAAGA
AAGATGTGCTGTGCGATGTCACCATCTTTGTGGAGGGACAGCGGTTCCGCGCTCACCGGT
CCGTGCTGGCGGCATGCAGCAGTTACTTCCACTCAAGAATCGTAGGCCAGGCTGATGGAG
AGCTGAACATTACTCTTCCAGAAGAGGTGACAGTTAAAGGATTTGAACCTTTAATTCAGT
TTGCCTACACTGCTAAACTGATTTTAAGTAAAGAGAATGTGGATGAAGTGTGCAAATGTG
TGGAGTTTTTAAGTGTACATAATATTGAGGAATCCTGCTTTCAGTTTCTGAAATTTAAGT
TTTTGGACTCCACTGCAGACCAGCAAGAATGCCCAAGAAAAAAATGCTTTTCATCACACT
GTCAGAAAACAGACCTTAAACTTTCACTTTTGGACCAGAGGGATCTAGAAACTGATGAAG
TGGAGGAATTTCTGGAAAATAAAAATGTTCAGACTCCTCAGTGTAAACTCCGCAGGTATC
AAGGAAATGCAAAAGCCTCACCTCCTCTACAAGACAGTGCCAGTCAGACATATGAGTCCA
TGTGCTTAGAGAAGGATGCTGCTCTGGCCTTGCCTTCTTTATGCCCCAAATACAGAAAAT
TCCAAAAAGCATTTGGAACTGACAGAGTCCGTACTGGGGAATCTAGTGTCAAAGACATTC
ATGCTTCTGTTCAGCCAAATGAAAGGTCTGAAAATGAATGCCTGGGAGGAGTCCCGGAGT
GTAGAGATTTGCAGGTGATGTTAAAATGTGACGAAAGTAAATTAGCAATGGAACCTGAAG
AAACGAAGAAAGATCCTGCTTCTCAGTGCCCAACTGAAAAATCAGAAGTGACTCCTTTCC
CCCACAATTCTTCCATAGACCCTCATGGACTTTATTCTTTGTCTCTTTTACACACATATG
ACCAATATGGTGACTTGAATTTTGCTGGTATGCAAAACACAACAGTGTTAACAGAAAAGC
CTTTGTCAGGTACAGACGTCCAAGAAAAAACATTTGGTGAAAGTCAGGATTTACCTTTGA
AATCCGACTTGGGCACCAGGGAAGATAGTAGTGTTGCATCTAGTGATAGGAGTAGTGTGG
AGCGAGAAGTGGCAGAACACCTAGCAAAAGGCTTCTGGAGTGACATTTGCAGCACGGACA
CTCCTTGCCAAATGCAGTTATCACCTGCTGTGGCCAAAGATGGCTCAGAACAGATCTCAC
AGAAACGGTCTGAGTGTCCGTGGTTAGGTATCAGGATTAGTGAGAGCCCAGAACCAGGTC
AAAGGACTTTCACAACATTAAGTTCTGTCAACTGCCCTTTTATAAGTACTCTGAGTACTG
AAGGCTGTTCAAGCAATTTGGAAATTGGAAACGATGATTATGTTTCAGAACCCCAGCAAG

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AACCTTGCCCATATGCTTGTGTCATTAGCTTGGGAGACGACTCTGAGACGGACACCGAAG
GAGACAGTGAATCCTGTTCAGCCAGAGAACAAGAATGTGAGGTAAAACTGCCATTCAATG
CACAACGGATAATTTCACTGTCTCGAAATGATTTTCAGTCCTTGTTGAAAATGCACAAGC
TTACTCCAGAACAGCTGGATTGTATCCATGATATTCGAAGAAGAAGTAAAAACAGAATTG
CTGCACAGCGCTGTCGCAAGAGAAAACTTGACTGTATACAGAATCTTGAATCAGAAATTG
AGAAGCTGCAAAGTGAAAAGGAGAGCTTGTTGAAGGAAAGAGATCACATTTTGTCAACTC
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TCAGTTTATCTGACCGGCCTCCAGCAGTGCTGCCTCCCTGTGCCAGAGGAAACAGTGAGC
CTGGCTACGCGCGAGGGCAGGAGTCCCAGCAGATGTCCACAGCCACCTCTGAGCAAGCTG
GGCCTGCGGAACAGTGTCGTCAGAGTGGTGGGATCTCAGATTTCTGTCAGCAGATGACTG
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GGTTTGTGAAATAGGATGAAACTCAATCTTTTTCTATTGTGGGTTTGCATTTGAAAAGCA
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TTTCACCAAAATCAGAGGGCTGAAAGAGACACTTCTATAGACTGCATCCTGAGCCTAGTG
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CAAATGTTACCCTTTTTGATCAGGGTGTAGGGGGAGGATATTGCTAGTATATTTTCAGTG
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GTATGTATACATATATATCTCTCCATATAGGTATTTCTTTGATACTTGTAATTTTAAATT
TCAGCTTCACGATATAAAATAATATAAGAACTTCTGGTTTACAAAATGTAAAATCTTAAG
CCAATGGAACCCTTGATTTCCTACCTCAGTGTACACTCAACTATTGGTTGTATCAGTTTG
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TTACCTACTATTTTATGATAAAATGTAGTTGTCTCCAGAGCTTAAATATAATTTGTAAAG
CACTTGGTTTAAATTTCTCTCTACCTATAAACAGTTTAGCATTAAGGGTTTCTATTAATG
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ATGTAATACAAGTAACTACACTACCTCATATCTACATGATTTTCAAGTTGTAATGCAGAT
GGACAGATAAAAAAGATTTTACGTTTGTCTTTTGGCCATAAGTGGGAAAGTTTTCTGTAT

ATTGCATAGCATTACACATTTATGCCTATTTTAACATTAACTTCTAAAGAAGTTTTTTTC
TAAGAAAATGTTTCAAGGCAATATTTTTTTTGAGGCTGCCGAAGACAAATGACAGGATTA
TGAGTATACAGTGTATGCCTTTTCCTTCATGCAGAATTTTGAAATGTTTTCAGTTTGTAT
ATTGCATATTCACATGATCATTGCTCACTATTTTATGAACTGGCCTTCTCAATGTTTGAT
GATTTTTTAAAAGCTGTTATGTTGAATTCAGTAAAATAACATTACCTTATTTTTTTTCTT
ATTCAAATTCTGGAACTATAGCAAATAATTCGTTAAATTGTCATATTCAAAACAAATGTG
GATACAGTCTTGGTTCTCCATCTGTAATTTTTTTTAACAGTTTGCTATAGCTTACTGCTT
AACTAATTTTAAATAAGGAAATAAGTATGTTAGATGCAGTAGACGATACAGGTTGCATGT
GGACACTCAGTCACATTAACAACTTGGGAAAAAAAATGGCAATGTTACGGTGAATTCTCAG
GTGAACTTTTTTCAGTTATAAAACATCTATTTTGAATCTGTAAATATTTTAAATGTTTTA
TTAAGGCATGTAATAAACTATTCTTTGAAACTTGTTGGGTAGAATGAAAATTAAAGCCAT
AATGGTAAAAGATGGCATACTGATTATAAAAGAAGCAGAAAAACATTGATTTTTTTATAT
CTTTCATAATATAATTTTCTAACAATGCAATAAAACCACTAAACTTTTGTGTCCAAAAAA
AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_206866

Insert Size: 5500 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_206866.1.

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_206866.1, NP_996749.1

RefSeq Size: 5770 bp

RefSeq ORF:	2211 bp
Locus ID:	571
UniProt ID:	O14867
Cytogenetics:	21q21.3
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a transcription factor that belongs to the cap'n'collar type of basic region leucine zipper factor family (CNC-bZip). The encoded protein contains broad complex, tramtrack, bric-a-brac/poxvirus and zinc finger (BTB/POZ) domains, which is atypical of CNC-bZip family members. These BTB/POZ domains facilitate protein-protein interactions and formation of homo- and/or hetero-oligomers. When this encoded protein forms a heterodimer with MafK, it functions as a repressor of Maf recognition element (MARE) and transcription is repressed. Multiple alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, May 2009] Transcript Variant: This variant (1) represents the longest transcript. 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.