

Product datasheet for **SC107917**

BACH1 (NM_001186) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BACH1 (NM_001186) Human Untagged Clone
Tag:	Tag Free
Symbol:	BACH1
Synonyms:	BACH-1; BTBD24
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC107917 sequence for NM_001186 edited (data generated by NextGen Sequencing)

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ATGTCTCTGAGTGAGAACTCGGTTTTGCCTATGAATCTTCTGTGCATAGCACCAATGTT
TTACTCAGCCTTAATGACCAGCGGAAGAAAGATGTGCTGTGCGATGTCACCATCTTTGTG
GAGGGACAGCGGTTCCGCGCTCACCGTCCGTGCTGGCGGCATGCAGCAGTTACTCCAC
TCAAGAATCGTAGGCCAGGCTGATGGAGAGCTGAACATTACTCTCCAGAAGAGGTGACA
GTTAAAGGATTTGAACCTTTAATTCAGTTTGCCTACACTGCTAAACTGATTTTAAAGTAAA
GAGAAATGGGATGAAGTGTGCAAATGTGTGGAGTTTTTAAAGGTACATAATATTGAGGAA
TCCTGCTTTCAGTTTCTGAAATTTAAGTTTTTGGACTCCACTGCAGACCAGCAAGATGC
CCAAGAAAAAATGCTTTTCATCACACTGTCAGAAAACAGACCTTAAACTTTCACTTTTG
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GACAGTCCAGTCAGACATATGAGTCCATGTGCTTAGAGAAGGATGCTGCTCTGGCCTTG
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TACTCAGCTGCAGATTGCCCACTTTCAATTTTAAATTTCTGAAAAAGATAAAAGTACTCCT
GATGGTGAACCTGGCGTTACCATCAATTTTTCAGTTTATCTGACCGGCTCCAGCAGTGCTG
CCTCCCTGTGCCAGAGGAAACAGTGAGCCTGGCTACGCGCGAGGGCAGGAGTCCCAGCAG
ATGTCCACAGCCACCTCTGAGCAAGCTGGGCCTGCGGAACAGTGTGTCAGAGTGGTGGG
ATCTCAGATTTCTGTCAGCAGATGACTGATAAATGTACTACTGATGAGTAA

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Clone variation with respect to NM_001186.2
1506 c=>t

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001186 unedited GCGAATTCGGCACGAGGCCGCGCCGCGCCTCAGCTCTGGTTGATGATAATTAGAAGCATG CTTTCCACTGAACTTCCCACAACATTTGTTATGCAGAAATGTCTCTGAGTGAGAACTCGG TTTTTGCCTATGAATCTTCTGTGCATAGCACCAATGTTTTACTCAGCCTTAATGACCAGC GGAAGAAAAGATGTGCTGTGCGATGTCACCATCTTGTGGAGGGACAGCGGTTCCGCGCTC ACCGGTCCGTGCTGGCGGCATGCAGCAGTACTTCCACTCAAGAATCGTAGGCCAGGCTG ATGGAGAGCTGAACATTACTCTTCCAGAAGAGGTGACAGTTAAAGGATTTGAACCTTTAA TTCAGTTTGCCTACACTGCTAAACTGATTTTAAAGTAAAGAGAATGTGGATGAAGTGTGCA AATGTGTGGAGTTTTTAAAGTGTACATAATATTGAGGAATCCTGCTTTCAGTTTCTGAAAT TTAAGTTTTTGGACTCCACTGCAGACCAGCAAGAATGCCCAAGAAAAAATGCTTTTCAT CACACTGTCAGAAAACAGACCTTAAACTTTCACTTTTGGACCAGAGGGATCTAGAAACTG ATGAAGTGGAGGAATTTCTGAAAATAAAAAATGTTTCAAGTCTCAGTGTGAACTCCGCA GGTATCAAGGAAATGCANAAGCCTCACCTCCTTACAGACAGTGCCAGTCAGACATATG AGTCCATGTGCTTAGAGAAGGATGCTGT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001186 unedited TTTTTTCATTAACCATTTTTTAAAAATTTTTATTTAACTGTCAACTTATACACCAACAT TTAACATTTTTTGTTCAGGTCCATTGGGGTAAAAACATTAGGGAAAAATGTAAATTA ATCCTATGAACCTATGCTTTTAAATGAACCATGGTCTCAGTAAAATATGGACACAAAGTT TAGGGGTTTTTATGCATTGTTAAAAAATTTTTATGAAAAATATAAAAAAATCAGGGTT TTTCTGCTCTTTTATAACCAAGTATGCCATCTTAAACCATTATGGTTTTAATTTTCATTC TACCCAACAAGTTTTAAAAAATAGTTTATTACATGCCTTAATAAACATTTAAAAATTTT ACAGATTCAAAATAAATGTTTTATAACTGAAAAAGTTACCTGAAAATCCACCGTACCA TTGCCATTTTTTCCCAAGTTACTAATGTGACTGAGTGCCACATGCAACCTGTATCGTC TACTGCATCTAACATACTTATTTCTTATTAATAAATAGTTAAACCAGTAACCTATAGCAA ACTGTTAAAAAATACAGATGGAAAACCAAGACTGTTTCCACTTTTGTGTTTGAATATG ACAATTTAACGAATTTTGTCTATAGTTCCAAAATTTGAATAAAAAAATAAGGTAA TGTTATTTTACTGATTTCAACATACCAGCCTTAAAAAATCTTCAAACATTGAGAAGGC CATTTCTAAAAAGGGAACAATGATCATGTGAATTTGCATTATACAACTGGAAAACCTT TAAAATCTGCATGAGGAAAAGGCCACCCTGAAACTCATAATCCCGCCATTTGGCTCCGA CACCATAAAAAAATGGCCTTGAACCTTTTCTA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_001186
Insert Size:	5200 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:

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_001186.2](#), [NP_001177.1](#)

RefSeq Size: 5642 bp

RefSeq ORF: 2211 bp

Locus ID: 571

UniProt ID: [O14867](#)

Cytogenetics: 21q21.3

Domains: BTB, BRLZ

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 (2) differs 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.