

Product datasheet for **RG221628**

BACH1 (NM_206866) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BACH1 (NM_206866) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BACH1
Synonyms:	BACH-1; BTBD24
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG221628 representing NM_206866
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTCTGAGTGAGAACTCGGTTTTGCCTATGAATCTTCTGTGCATAGCACCAATGTTTTACTCAGCC
 TTAATGACCAGCGGAAGAAAGATGTGCTGTGCGATGTCACCATCTTTGTGGAGGGACAGCGGTTCCGCGC
 TCACCGG[AT]CCGTGCTGGCGGCATGCAGCAGTTACTTCCACTCAAGAATCGTAGGCCAGGCTGATGGA
 GAGCTGAACATTACTCTCCAGAAGAGGTGACAGTTAAAGGATTTGAACCTTTAATTCAGTTTGCCTACA
 CTGCTAAACTGATTTAAGTAAAGAGAATGTGGATGAAGTGTGCAAAATGTGTGGAGTTTTAAGTGTACA
 TAATATTGAGGAATCCTGCTTTCAGTTTCTGAAATTTAAGTTTTGGACTCCACTGCAGACCAGCAAGAA
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 ATGTGCTTAGAGAAGGATGCTGCTCTGGCTTGCCTTCTTATGCCCAAATACAGAAAAATCCAAAAAG
 CATTGGAACTGACAGAGTCCGTACTGGGGAATCTAGTGTCAAAGACATTCATGCTTCTGTTTCAGCCAAA
 TGAAAGGTCTGAAAAATGAATGCCTGGGAGGAGTCCCGGAGTGTAGAGATTTGCAGGTGATGTTAAAAATGT
 GACGAAAGTAAATTAGCAATGGAACCTGAAGAAACGAAGAAAGATCCTGCTTCTCAGTGCCCAACTGAAA
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 CCTTTGTCAAGTACAGACGTCCAAGAAAAACATTTGGTGAAGTCAAGGATTTACCTTTGAAATCCGACT
 TGGGCACCAGGGAAGATAGTAGTGTTCATCTAGTGATAGGAGTGTGTGGAGCGAGAAGTGGCAGAAC
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 AGAATCTTGAATCAGAAATTGAGAAGCTGCAAAAGTGAAGAGGAGAGCTTGTGAAAGGAAAGAGATCACAT
 TTTGTCAACTCTGGGTGAGACAAAGCAGAACCTAACTGGACTTTGCCAGAAAGTTTGTAAAGAAGCAGCT
 CTGAGTCAAGAACAAATACAGATACTCGCAAGTACTCAGCTGCAGATTGCCACTTTTCATTTTTAATTT
 CTGAAAAAGATAAAAGTACTCCTGATGGTGAAGTGGCGTTACCATCAATTTTCAGTTTATCTGACCGGCC
 TCCAGCAGTGTGCTCCTGTGCCAGAGGAAACAGTGAAGCTGGCTACGCGCAGGGCAGGAGTCCCAG
 CAGATGTCCACAGCCACCTCTGAGCAAGCTGGGCTGCGGAACAGTGTGTCAGAGTGGTGGGATCTCAG
 ATTTCTGTCAGCAGATGACTGATAAATGTAAGTACTGATGAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG221628 representing NM_206866
Red=Cloning site Green=Tags(s)

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MSLSENSVFAYESSVHSTNVLLSLNDQRKKDVLCDVTIFVEGQRFRAHRXXVLAACSSYFHSRIVGQADG
ELNITLPEEVTVKGFELIQFAYAKLILSKENVDEVCKVEFLSVHNIEESCFQLKFKFLDSTADQQE
CPRKKCFSSHQCQTDLKLSLLDQRDLETDEVEEFLENKNVQTPQCKLRRYQGNKASPLQDSASQTYES
MCLEKDAALALPSLCPKYRKFQKAFGTDRVRTGESSVKDIHASVQPNRSENECLGGVPECRDLQVMLKC
DESKLAMEPEETKKDPASQCPTSEVTPFPHNSSIDPHGLYSLLLHTYDQYGD LNFAGMQNTTVLTK
PLSGTDVQEKTFGESQDLPLKSDLGTREDSVASSDRSSVEREVAEHLAKGFWSIDICSTDTPCQMQLSPA
VAKDGSEQISQKRSECPWLGIRISESPEPGQRTFTTLSSVNCPISTLSTEGCSSNLEIGNDDYVSEPQQ
EPCPYACVISLGDSETDTEGDSESCSAREQECEVKLPFNAQRIISLNRNDFQSLKMKHLTPEQLDCIH
DIRRRSKNRIAAQRCRKRKLDLCIQNLESEIEKLQSEKESLLKERDHI LSTLGETKQNLTLGLCQVKCKEAA
LSQEQIQLAKYSAADCPLSFLISEKDKSTPDGELALPSIFSLSDRPPAVLPPCARGNSEPGYARGQESQ
QMSTATSEQAGPAEQCRQSGGISDFCQQMTDKCTTDE
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_206866

ORF Size: 2211 bp

OTI Disclaimer: 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: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

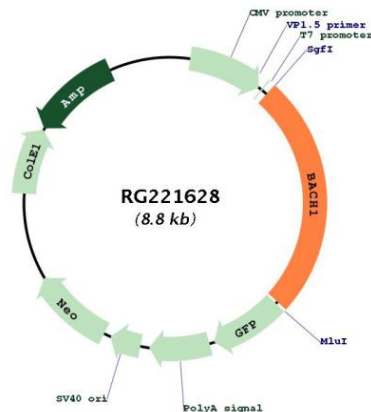
UniProt ID: [O14867](#)

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]

Product images:



Circular map for RG221628