

# Recombinant Full Length Human BACH1 Protein, GST-tagged

**Cat. No.** BACH1-1764HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human BACH1 full-length ORF ( ABZ91995.1, 1 a.a. - 736 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 736 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | This gene encodes a transcription factor that belongs to the capncollar 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 |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 81 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MSLSENSVFAYESSVHSTNVLLSLNDQRKKDVLCDVTIFVEGQRFRAHRSVLAACSS<br>YFHSRIVGQADGELNITLPEEVTVKGFELIQLFAYTAKLILSKENVDEVCKCVEFLSVH<br>NIEESCFQLKFKFLDSTADQQECPRKKCFSSHQKTDLKLSLLDQRDLETDEVEEF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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LENKNVQTPQCKLRRYQGNASPLQDSASQTYESMCLEKDAALAPSLCPKYRK  
 FQKAFGTDRVRTGESSVKDIHASVQPNERSENECLGGVPECRDLQVMLKCDESKLA  
 MEPEETKKDPASQCPTEKSEVTPFPHNSSIDPHGLYSLILHTYDQYGDLNFAGMQ  
 NTTVLTEKPLSGTDVQEKTFGESQDLPLKSDLGTREDSSVASSDRSSVEREVAEHL  
 AKGFWSDICSTDTPCQMLSPAFAKDGSEQISQKRSECPWLIGIRISESPEPGQRTF  
 TTLSSVNCPISTLSTEGCSSNLEIGNDDYVSEPQQEPCPYACVISLGDDSETDTEG  
 DSESCSAREQECEVKLPFNAQRIISLSRNDFFQSLKMHKLTPEQLDCIHDIRRRSKNR  
 IAAQRCRKRKLDCIQNLESEIEKLQSEKESLLKERDHLSTLGETKQNLTLGLCQKVCK  
 EAALSQEQIQILAKYSAADCPLSFLISEKDKSTPDGELALPSIFSLSDRPPAVLPPCAR  
 GNSEPGYARGQESQQMSTATSEQAGPAEQCRQSGGISDFCQQMTDKCTTDE

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | BACH1 BTB and CNC homology 1, basic leucine zipper transcription factor 1 [ Homo sapiens ]                                                                                                                                    |
| <b>Official Symbol</b> | BACH1                                                                                                                                                                                                                         |
| <b>Synonyms</b>        | BACH1; BTB and CNC homology 1, basic leucine zipper transcription factor 1; transcription regulator protein BACH1; BACH 1; HA2303; BTB and CNC homolog 1; basic region leucine zipper transcriptional regulator BACH1; BACH-1 |
| <b>Gene ID</b>         | 571                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>     | NM_001186                                                                                                                                                                                                                     |

|                |           |
|----------------|-----------|
| Protein Refseq | NP_001177 |
| MIM            | 602751    |
| UniProt ID     | O14867    |

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