

Recombinant Human BACH1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BACH1-3374H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	BACH1 MS Standard C13 and N15-labeled recombinant protein (NP_001177) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	82 kDa
AA Sequence	MSLSENSVFAYESSVHSTNVLLSLNDQRKKDVLCDVTIFVEGQRFRAHRSVLAACSS YFHSRIVGQADGELNITLPEEVTVKGFELIQFAYTAKLILSKENVDEVCKCVEFLSVH NIEESCFQFLKFKFLDSTADQQECPRKKCFSSHCQKTDLKLSLDQRDLETDEVEEF LENKNVQTPQCKLRRYQGNKASPLQDSASQTYESMCLEKDAALAPSLCPKYRK FQKAFGTDRVRTGESSVKDIHASVQPNERSENECLGGVPECRDLQVMLKCDESKLA

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MEPEETKKDPASQCPTEKSEVTPFPHNSSIDPHGLYSLSLHTYDQYGDLNFAGMQ
 NTTVLTEKPLSGTDVQEKTFGESQDLPLKSDLGTREDSSVASSDRSSVEREVAEHL
 AKGFWSDICSTDTPCQMQLSPAVAKDGSEQISQKRSECPWLIGIRISESPEPGQRTF
 TTLSSVNCPPFISTLSTEGCSSNLEIGNDDYVSEPQQEPCPYACVISLGDDSETDTEG
 DSESCSAREQECEVKLPFNAQRIISLSRNDFQSLLKMHKLTPEQLDCIHDIRRRSKNR
 IAAQRRCRKRKLDCIQNLESEIEKLQSEKESLLKERDHILSTLGETKQNLTLGLCQKVCK
 EAALSQEQIQILAKYSAADCPLSFLISEKDKSTPDGELALPSIFSLSDRPPAVLPPCAR
 GNSEPGYARGQESQQMSTATSEQAGPAEQCRQSGGISDFCQQMTDKCTTDETRT
 RPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name BACH1 BTB domain and CNC homolog 1 [Homo sapiens (human)]

Official Symbol BACH1

Synonyms 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;

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Gene ID	571
mRNA Refseq	NM_001186
Protein Refseq	NP_001177
MIM	602751
UniProt ID	O14867
SDS-PAGE	