

Recombinant Human BACH1

Cat. No. BACH1-27427TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human BACH1.3 with N terminal proprietary tag. Predicted MW 37.51 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	108 amino acids
Description	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.
Molecular Weight	37.510kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	NLTGLCQKVCKEAALSQEQIQILAKYSAADCPLSFLISEK DKSTPDGELALPSIFSLSD RPPAVLPPCARGNSEPGYARG QESQQMSTATSEQAGPAEQCRQSGGISD
Sequence Similarities	Belongs to the bZIP family. CNC subfamily. Contains 1 BTB (POZ) domain. Contains 1 bZIP domain.

GENE INFORMATION

Gene Name	BACH1 BTB and CNC homology 1, basic leucine zipper transcription factor 1 [Homo sapiens]
Official Symbol	BACH1
Synonyms	BACH1; BTB and CNC homology 1, basic leucine zipper transcription factor 1; transcription regulator protein BACH1; BACH 1;
Gene ID	571
mRNA Refseq	NM_001186
Protein Refseq	NP_001177
MIM	602751
Uniprot ID	O14867
Chromosome Location	21q22.1

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Function

RNA polymerase II core promoter proximal region sequence-specific DNA binding
transcription factor activity involved in negative regulation of transcription; RNA
polymerase II core promoter proximal region sequence-specific DNA binding
transcription facto

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