

Recombinant Human BACH1 Protein, MYC/DDK-tagged

Cat. No. BACH1-001H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant protein of human BTB and CNC homology 1, basic leucine zipper transcription factor 1 (BACH1), transcript variant 2 with a C-MYC/DDK tag was expressed in HEK293T. |
| 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 | 81.8 kDa |
| Purity | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration | >50 µg/mL as determined by microplate BCA method |
| Storage Buffer | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol |

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GENE INFORMATION

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|------------------------|--|
| Gene Name | BACH1 BTB domain and CNC homolog 1 [Homo sapiens (human)] |
| Official Symbol | BACH1 |
| Synonyms | BACH1; BTB domain and CNC homolog 1; BACH-1; BTBD24; transcription regulator protein BACH1; BTB and CNC homology 1, basic leucine zipper transcription factor 1; basic region leucine zipper transcriptional regulator BACH1 |
| Gene ID | 571 |
| mRNA Refseq | NM_001186 |
| Protein Refseq | NP_001177 |
| MIM | 602751 |
| UniProt ID | O14867 |

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