Recombinant Full Length Human BACH1 Protein, C-Flag-tagged

Cat. No. BACH1-736HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human BACH1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	81.8 kDa
AA Sequence	MSLSENSVFAYESSVHSTNVLLSLNDQRKKDVLCDVTIFVEGQRFRAHRSVLAACSS YFHSRIVGQADGE LNITLPEEVTVKGFEPLIQFAYTAKLILSKENVDEVCKCVEFLSV HNIEESCFQFLKFKFLDSTADQQEC PRKKCFSSHCQKTDLKLSLLDQRDLETDEVE EFLENKNVQTPQCKLRRYQGNAKASPPLQDSASQTYESM CLEKDAALALPSLCPK

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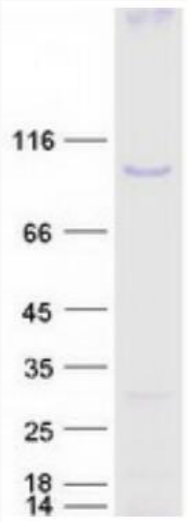
	YRKFQKAFGTDRVRTGESSVKDIHASVQPNERSENECLGGVPECRDLQVMLKCD E SKLAMEPEETKKDPASQCPTEKSEVTPFPHNSSIDPHGLYSLSLLHTYDQYGDLNFA GMQNTTVLTEKP LSGTDVQEKTFGESQDLPLKSDLGTREDSSVASSDRSSVEREV AEHLAKGFWSDICSTDTPCQMQLSPAV AKDGSEQISQKRSECPWLGIRISESPEPG QRTFTTLSSVNCPFISTLSTEGCSSNLEIGNDDYVSEPQQE PCPYACVISLGDDSET DTEGDSESCSAREQECEVKLPFNAQRIISLSRNDFQSLLKMHKLTPEQLDCIHD IRR RSKNRIAAQRCRKRKLDCIQNLESEIEKLQSEKESLLKERDHILSTLGETKQNLTGLC QKVCKEAAL SQEQIQILAKYSAADCPLSFLISEKDKSTPDGELALPSIFSLSDRPPAVL PPCARGNSEPGYARGQESQQ MSTATSEQAGPAEQCRQSGGISDFCQQMTDKCTTDETRTRPLEQKLISEEDLAAND ILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transcription Factors
Full Length	Full L.

GENE INFORMATION

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

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Official Symbol	BACH1
Synonyms	BACH-1; BTBD24
Gene ID	571
mRNA Refseq	NM_206866.3
Protein Refseq	NP_996749.1
MIM	602751
UniProt ID	O14867



Coomassie blue staining of purified BACH1 protein.

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