

# **Product datasheet for TP321628M**

#### OriGene Technologies, Inc.

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### BACH1 (NM\_206866) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human BTB and CNC homology 1, basic leucine zipper transcription

factor 1 (BACH1), transcript variant 1, 100 µg

Species: Human
Expression Host: HEK293T

**Expression cDNA Clone** >RC221628 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MSLSENSVFAYESSVHSTNVLLSLNDQRKKDVLCDVTIFVEGQRFRAHRSVLAACSSYFHSRIVGQADGE LNITLPEEVTVKGFEPLIQFAYTAKLILSKENVDEVCKCVEFLSVHNIEESCFQFLKFKFLDSTADQQEC PRKKCFSSHCQKTDLKLSLLDQRDLETDEVEEFLENKNVQTPQCKLRRYQGNAKASPPLQDSASQTYESM CLEKDAALALPSLCPKYRKFQKAFGTDRVRTGESSVKDIHASVQPNERSENECLGGVPECRDLQVMLKCD ESKLAMEPEETKKDPASQCPTEKSEVTPFPHNSSIDPHGLYSLSLLHTYDQYGDLNFAGMQNTTVLTEKP LSGTDVQEKTFGESQDLPLKSDLGTREDSSVASSDRSSVEREVAEHLAKGFWSDICSTDTPCQMQLSPAV AKDGSEQISQKRSECPWLGIRISESPEPGQRTFTTLSSVNCPFISTLSTEGCSSNLEIGNDDYVSEPQQE PCPYACVISLGDDSETDTEGDSESCSAREQECEVKLPFNAQRIISLSRNDFQSLLKMHKLTPEQLDCIHD IRRRSKNRIAAQRCRKRKLDCIQNLESEIEKLQSEKESLLKERDHILSTLGETKQNLTGLCQKVCKEAAL SQEQIQILAKYSAADCPLSFLISEKDKSTPDGELALPSIFSLSDRPPAVLPPCARGNSEPGYARGQESQQ

MSTATSEQAGPAEQCRQSGGISDFCQQMTDKCTTDE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV** 

Tag: C-Myc/DDK
Predicted MW: 81.8 kDa

**Concentration:** >0.05 μg/μL as determined by microplate BCA method

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

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.



### BACH1 (NM\_206866) Human Recombinant Protein - TP321628M

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** NP 996749

Locus ID: 571

UniProt ID: O14867
RefSeq Size: 5770
Cytogenetics: 21q21.3
RefSeq ORF: 2208

Synonyms: BACH-1; BTBD24

**Summary:** 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

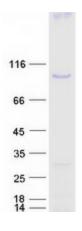
formation of homo- and/or hetero-oligomers. When this encoded protein forms a heterodimer with MafK, it functions as a repressor of Maf recognition element (MARE) and

transcription is repressed. Multiple alternatively spliced transcript variants have been

identified for this gene. [provided by RefSeq, May 2009]

**Protein Families:** Transcription Factors

## **Product images:**



Coomassie blue staining of purified BACH1 protein (Cat# [TP321628]). The protein was produced from HEK293T cells transfected with BACH1 cDNA clone (Cat# [RC221628]) using MegaTran 2.0 (Cat# [TT210002]).