

Product datasheet for RC230535

BACH2 (NM_001170794) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: BACH2 (NM_001170794) Human Tagged ORF Clone

Tag: Myc-DDK
Symbol: BACH2

Synonyms: BTBD25; IMD60

Mammalian Cell Neomycin

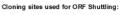
Selection:

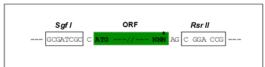
Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

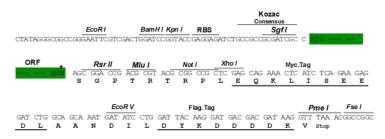
Chromatograms: https://cdn.origene.com/chromatograms/mg2674 d03.zip

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:







^{*} The last codon before the Stop codon of the ORF



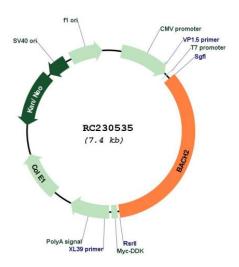
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Plasmid Map:



ACCN: NM_001170794

ORF Size: 2523 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001170794.1</u>, <u>NP 001164265.1</u>

RefSeq ORF: 2526 bp



BACH2 (NM_001170794) Human Tagged ORF Clone - RC230535

 Locus ID:
 60468

 UniProt ID:
 Q9BYV9

 Cytogenetics:
 6q15

Protein Families: Druggable Genome, Transcription Factors

MW: 93 kDa

Gene Summary: Transcriptional regulator that acts as repressor or activator (By similarity). Binds to Maf

recognition elements (MARE) (By similarity). Plays an important role in coordinating

transcription activation and repression by MAFK (By similarity). Induces apoptosis in response

to oxidative stress through repression of the antiapoptotic factor HMOX1

(PubMed:17018862). Positively regulates the nuclear import of actin (By similarity).

[UniProtKB/Swiss-Prot Function]