OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC203298

Bach1 (NM_007520) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bach1 (NM_007520) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bach1
Synonyms:	6230421P05Rik; AI323795
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC057894
GGGCCGCGCCGCGTCTCGGCTCCGGTCGATGACAGTGAGAAGCATGCTTTCCACTGCTCTCCCTGGTCCC
AGTTGCCACCCAGGATGTCTGTGAGTGAGAGTGCGGTATTTGCCTACGAGTCCTCTGTGCATAGCACCAA
CGTCTTGCTCAGCCTCAATGACCAGCGGAAGAAGGATGTCCTGTGTGATGTGACTGTCCTGGTGGAGGGC
CAGCGGTTCCGAGCCCACCGCTCGGTGCTGGCTGCGTGCAGCAGCTACTTCCACTCGAGAATCGTAGGCC
AGACTGACGCAGAGCTCACCGTCACACTGCCTGAAGAGGTAACGGTTAAAGGATTTGAACCTTTAATTCA
GTTTGCCTACACTGCCAAACTCATTTTAAGTAAAGACAATGTTGACGAAGTGTGCAGGTGTGTGGAGTTT
CTAAGCGTACACAATATCGAGGAATCCTGCTTCCAGTTTCTCAAGTTTAAGTTTTTGGACTCCACTTCAG
AGCAGCAGGAATGCGCAAGAAAAAAATGCTTCTCCTCACACTGTCAGAAAGCAGATTTTAAATTTTCATT
TTCAGAACAGAAAGATCTCGAAATCGATGAAGCAGATGAATTCTTGGAAAAGAAACGTGTTCAGACGCCT
CAGTGTGACTCCCGCAGGTGTCAGGGCAGTGTAAAAGCATCCCCCCCTCTCCAGGACAGTGTCAGTCAGG
CGTGCCAGTCCCTGTGCACGGACAAGGATGGAGCCCTGGCATTGCCATCTCTATGCCCCAAATACAGAAA
GTTCCAGAAAGCGTTTGGAACTGACAAGATCCGAACTCTAGAATCCGGTGTCAGAGATGTCCACACTGCC
TCTGTCCAGCCAAATGAGACCTCTGAACTTGAGTGTTTTGGGGGAGCGCAGGGCTGTGCAGATTTACACG
TGATTTTAAAATGTGAAGGAATGAAGGCAGCCATGGAGAGTGAAGACACAGAGGGCCAGGATCCCTCCCC
TCAGTGCCCTGCAGAGCAGCCCCAAGGGACACCCTTGCCTCAGGATTCTGCAGGACCTCACGGGCTCTAC
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TGAAGACAGAAAAGCCTCTGTCGAGGCCAGATGCCCAGGACGAGAAGCCATCGGAAAATCAGGATTTATA
TCTGAAGTCTAGCATGGGCCCTAAAGAAGACAGCAGCAGCCTTGCATCTGAGGATCGGAGTAGTGTGGAG
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GGACACGGAAGGTGACAGCGAGTCCTGTTCTGCCAGGGAGCAGGACTGTGAGGTGAAGCTGCCATTCAAT
GCCCAACGGATAATTTCGCTCTCACGAAATGATTTCCAATCCTTGTTGAAAATGCACAAACTGACCCCAG
AGCAGCTCGACTGTATCCATGACATCCGCAGAAGGAGTAAGAACAGAATCGCCGCGCAACGCTGTCGCAA
GAGGAAACTTGACTGTATCCAGAACCTTGAGTCGGAAATCGAGAAGCTGCAAAGTGAAAAGGAGAGCTTG
CTGAAGGAGCGAGACCACATTCTGTCAACGCTGGGGGAGACAAAGCAGAACCTGACCGGACTTTGTCAGC
AGGTGTGCAAGGAAGCCGCCCTGAGCCCCGAGCAGATCCAGATCCTTGCCAAGTACTCGGCCTCCGACTG
CCCGCTTTCCTTTTTAATTTCTGAGAAAGGAAAAAGTACTCCCGACGGCGAGCTTGCTTTTACATCGGTT
TTCAGTGTGTCTGACGTGCCTCCAACTGCACCACCTCCCTGTGGGCGAGGGAGCAGCGCGGCCAGCCAGG
AGCTGGTGCAGGAGTCCCCGCCAACCACCGCAGCTGCCCCAGAGCAGGCCACGCTGTTGGAACCCTGTCG
GCAGAGTGCTGGGATCTCAGACTTCTGTCAGCAGATGTCTGACAAGTGCACTACTGACGAGTAAACCCCA
CGGGCAGCCTTCAGCCCATGGCCTCCCTCTGACCTTCGGCATTGTCTCGAAGCCTAGCGTGGCCGTGTCT
TCTTGCTTAGCAGTCCTGTGTCCTCCTGGTAGCTTTCTGTTGAGGGAATTTCTCTTTCAGGTGATCCTGA
GTTCTCCTTGGTTTTCATAGGAGATGTTCTATCTCTTGAATGATGGGAAATTGGATGTGAAAATATAGAA
TGACCAGGTAATAATCTCCTAGAGTTCAAACTAACTAGAGCAGCGGAAGCCGCAGCATCCATTTCAACAG
CTCGGAGCATCTGCACGCAGTCCTCGTGGGCCGTGGATAACCTACTGATCAGGAAGAAGAGCCCTTCCTA
TGCGGAGCAGTGGTGATCTCCCCAGAAGTGGGGTACTTCTTGTCTATGTGGAAAAGAAATCTCCTTTGAA
CTCTAATGTCCTGCACCTCAGCTCCTTCAAAGTCCAGCATTGGCTGGTGACCCTGAGGCTGCCCTGGCAG
GACCTAGGCAGAAGCCACAGCTGGCCTGAGCTGGAGGCCTCTGCTATCCTCAGTATTGACTAGGAGTTTT
GACTGCACAAACCAGAAAGTGTATCATCGTTCCCTGTTCTCAGTTCTGTTCCTCTCTTTAGTCTCCACCT
TGTCTAGACTGTTAGGAACTTTCTGTCCCGTGGAGGAGGAGCTGCCCCGGAGAGCTGCACACTGCACAAG
GCTGTCGATCATCTCATTGCAGGTCGTTGATGACCATGAGGGCATTGGAGTCAATGAGAGGGAAATGTCT
ACAATGACCTGAAGAGCAGCTCATTGGAATCCCAGTGAAGACTTGTAGTCTGTTAAAAAAAAAAAAAAAA AA

Restriction Sites: RsrII-NotI

ACCN: NM_007520

Insert Size: 2220 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	BC057894, AAH57894
RefSeq Size:	3152 bp
RefSeq ORF:	2220 bp
Locus ID:	12013
UniProt ID:	P97302
Cytogenetics:	16 C3.3
Gene Summary:	Transcriptional regulator that acts as repressor or activator, depending on the context (PubMed:8887638, PubMed:19170764). Binds to NF-E2 DNA binding sites (PubMed:8887638, PubMed:19170764). Play important roles in coordinating transcription activation and repression by MAFK (PubMed:8887638). Together with MAF, represses the transcription of genes under the control of the NFE2L2 oxidative stress pathway (By similarity). [UniProtKB/Swiss-Prot Function]