

Product datasheet for **MC221991**

Bach2 (NM_001109661) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bach2 (NM_001109661) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bach2
Synonyms:	E030004N02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC221991 representing NM_001109661
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGTGGATGAGAAGCCTGGCTCCCCATGTATGTATATGAGTCCACAGTCCACTGTGCCAACATCC
 TCCTGGGCTCAATGACCAACGGAAGAAGGACATTCTCTGTGACGTGACGCTGATCGTGGAGAGGAAGGA
 GTTCCGAGCCACCGGGCTGTGCTGGCCGATGCAAGTGAATACTTCTGGCAAGCACTGGTTGGACAGACG
 AAAGATGACTTGGTGGTCACTTGCCTGAGGAGGTACGCGCCAGGGGCTTTGGGCCACTGCTACAGTTTG
 CCTACACTGCCAAGCTGTTACTCAGCAGAGAGAACATCCGGGAGGTATCCGCTGTGCTGAGTTCCTGCG
 CATGCACAATCTGGAGGACTCCTGCTTCACTTCTGCAGACCCAGCTCCTGAACAGGGAGGATGGCCTG
 TTTGTTTGCAGAAAGGACAGTGCCTGCCAGCGCCCAAGAGGACCATGGGAATTCTGCAGGAGAAGAGG
 AGGAAGAAGAGGAAACAATGGACTCAGAGACAGCTAGGATGGCTTGCACCACAGACCAGATGCTCCCAGA
 CCCCATCAGCTTTGAGGCCACTGCCATCCAGTAGCAGAGAAAGAAGAAGCCCTGCTCCCTGAGTCTGAG
 GTACCCACAGACACCAAGGAAAACCTCAGAAAAGGGTGCATTGACCCAGTACCCTAGATATAAGAAGTACC
 AGCTCGCGTGTACCAAGAATGTCTACAGTGCACCCCTCACACGGTACCTCAGGGTTTGCAGCACATTCAG
 TGAAGACAGTCTGGCAATAGCCTCAAGCCGGGGCTCCCCATGGGACAGATTAAGTGGAGCCACCCAGT
 GAGGAGACCGAGGAGGAGAGCATCACCTCTGCCTGTCCGGAGATGAGACCGACATCAAAGACAGACCAG
 GAGATGTCGAGATGGACCGAAAACAACCCAGCCCTGCCCTACCCCACTGAGTCCCTGAGGAGCCGCTG
 CCTGGACAGGTCAGGAGTGTCTCCTCGCTTCTGCCTGCGGTCTCTGTTCCGTATAACGAAAGGTGTG
 GAGTCCACTGGCCTGCCAGTACATCTCAGCAACCCCTAGTACAGGAGTACAGCTGCCCTTTCAACAAGG
 GGATCTCTCAGGGTGACCTTAAACTGATTACACCCCTTTGGCAGGGAATTACGGACAGCCCAAGTGGG
 CCAGAAGGATGTGTCAACTTCGCAATGGGGTCCGCACTCAGGGGGCCCGGGCCGGAGACTCTCTGTAAG
 CAGGAGGGAGAGCTGGACCGCCGAGCGTCATCTTCTCCGCAAGCGGTGTGACCAACCGAACACTCCAG
 TGCATTCACTCTGCGGTGAGCAATTTGGACAAGACCTTTCCGAGCCGGTGCACAAAAGTCTATGGGT
 GGGAGCTGGCCAGTCCCTCCCCAGCTCCCAGGCTTACTCCACAGCGGACTGATGGCTGACCACTTGCCA
 GGAAGGATACGGCCCAACACCAGCTGCCCGGTGCCAATCAAAGTCTGTCTCGCTCACCTCCGCTCGAGA
 CCAGGACTAGGACCTCCAGCTCCTGCTCCTCGTATTCTACGCAGAGGACGGGAGTGGGGCTCCCCCTG
 CAGCTCCCTCTCTGTGAGTTCCTCTTCCGCTGTTCCAGGGAGCCAGATTCCTTCCACGGAACAT
 CAGGAACCAGGCTGATGGGAGATGGAATGTACAACCAAGTCCGACCCAGATTAATGTGAGCAGTCTT
 ACGGAACCAATTCAGTACGAGTCTGGATCATTCTCGGAAGCAGACAGTGAAGTGTCTCTGTGAGGAG
 CAGGGGCCAGGAGGTTAACTTCCTTTCTGTGATCAGATCACAGACCTTCCAGGAACGACTTCCAG
 ATGATGATCAAAATGCACAAGCTAACCTCAGAACAGTTGGAGTTCATCCACGACATCCGGAGGCGGAGTA
 AGAACCGCATTGCAGCCAGCGCTGTGAAAGAGGAAGCTGGACTGTATTGAACTTGGAAATGTGAAAT
 ACGGAACTGGTGTGCGAGAAGGAAAACCTGTTGTGCGAGAGGAATCACCTGAAGGCGTGCATGGGAGAG
 CTCTGGACAACCTTTCTGCTCTCCCAGGAGGTCTGTGAGACATCCAGAGTCCAGAGCAGATCCAGG
 CCCTGCACCGCTACTGCCCTGTCTCATACCCATGGATCTCCCTGGAGCCAGTGTAAACCTCCTCTGT
 GGGTGTGAGCAGAGCCTTGACCCCTCCCGTGTGCAAGTGGAGGAAGTGTACCCTGCTGCTGGAGCCA
 GGGGCGGCTCCCCCGGGCTCCCCTGGGTGCCAGCAACACCTCTGAGAATTGTACCTCTGGGAGGAGGT
 TGGAAAGCAGTGACCCTGGAACATTCTCAGAACGAGGACCTCCCTAGAAGCCAGGAGCCAGTCTGTGAC
 GGTGGACTTCTGCCAGGAAATGACTGAGAAGTGTACAACGGACGAACAGCCAGGAAAGATTATGCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001109661
Insert Size: 2520 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:	<ol style="list-style-type: none">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:	NM_001109661.1 , NP_001103131.1
RefSeq Size:	8493 bp
RefSeq ORF:	2520 bp
Locus ID:	12014
UniProt ID:	P97303
Cytogenetics:	4 A5
Gene Summary:	Transcriptional regulator that acts as repressor or activator (PubMed:8887638). Binds to Maf recognition elements (MARE) (PubMed:8887638). Plays an important role in coordinating transcription activation and repression by MAFK (PubMed:8887638). Induces apoptosis in response to oxidative stress through repression of the antiapoptotic factor HMOX1 (By similarity). Positively regulates the nuclear import of actin (PubMed:26021350). [UniProtKB/Swiss-Prot Function]