

## Product datasheet for **RR210130**

### **Bach2 (NM\_001135754) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Bach2 (NM_001135754) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bach2
Synonyms:	RGD1562865
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR210130 representing NM\_001135754  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCTGTGGATGAGAAGCCTGACTCCCCATGTATGTGTATGAGTCCACAGTCCACTGTGCCAACATCC  
 TCCTGGGCCTCAATGACCAACGGAAGAAGGACATTCTCTGTGACGTGACGCTGATTGTGGAGAGGAAGGA  
 GTTTCGAGCCACCGGGCTGTGCTGGCTGCATGCAGTGAATACTTCTGGCAAGCTCTGGTTGGACAAACA  
 AAAGATGACTTGGTGGTCACTTGCCTGAGGAGGTACGCGCCAGGGGCTTGGGCCGCTGTACAGTTTG  
 CCTACACTGCCAAGCTGTTACTCAGCAGAGAGAACATCCGCGAGGTATCCGCTGTGCCAGTTCCTGCG  
 CATGCACAATCTGGAGGACTCCTGCTCAGCTTCTGCAGACCCAGCTCCTGAACAGGGAGGATGGTCTG  
 TTCGTATGTCGGAAGGACAGTGCCTGCCAGCGCCCCAGGAGGACCATGGGAATCTGCAGGAGAAGAGG  
 AGGAGGAGGAAGAGACGATGGACTCAGAGACAGCCAGGATGGCTTGCGCCACAGACCAGATGCTCCCAGA  
 CCCCATCAGTTCGAGGCCACTGCCATCCCAGTAGCAGAGAAAGAAGAAGCCTTGCTTCTGAGTCTGAG  
 GTACCCACAGATACCAAGGAAAACCTCAGAAAAGGGTGCCTGACCCAGTACCCCTCGATATAAGAAGTACC  
 AGCTCGCGTGTACCAAGAATGTCTACAGCGCAGCCTCACACGGTACCTCAGGGTTTGACGGCACATTCAG  
 TGAAGAGAGTCTGGCAATAGCCTCAAACCAGGGCTCTCCGTGGGACAGATTAAGTGAAGCCCAAC  
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 CCTGGACAGATCCAGGAGTGTGCTCACCTTCTGTCTGCGGTCTGTTCAGTATAGCAAAGGCGTG  
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 GGATCTCTCAGGGTGACCTTAAACTGATTACACCCCTTTGGCAGGGAACACGGACAGCCCCAGTGGG  
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 TGCATTATATTCTTCGGTGAGCAGTTTGGACAAAGACCTTTCTGAGCCGGTGCCAAAAGTCTATGGGT  
 GGGAGCTGGCCAGTCCCTCCCCAGCTCCCAGGCCACTCCACAGGCGGACTGATGGCTGACCACTTGCCA  
 GGAAGGATAAGGCCAACACCAGCTGCCCGGTGCCAATCAAAGTGTGCTCGCTCACCTCCACTAGAGA  
 CCAGAACCAGGACCTCCAGCTCCTGCTCCTCTATTCTACGCAGAGGATGGGAGTGGGGCTCCCCCTG  
 CAGCCTCCCTCTCTGCGAGTTTTCTCTCACCCCTGTTCCAGGGAGCCAGATTCCTTGCCACGGAACAT  
 CAGGAACCAGGCTGATGGGAGATGGAATGTACAACCAAGTCCGACCCCAATTAATGTGAGCAGTCTT  
 ACGGAACCAATCCAGTGACGAATCTGGATCATTCTCGGAAGCAGACAGTGAAGTGTGCTGTGCAAGGA  
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 GGGGTTGAGCAGAGCCTTGCGCCCTCCAGTGTGCAAGTGGAGGAAAGTGTACCCTGCTGCTGGAGCCA  
 GGGGCAGCTCCCCCTGGGCTCCCCTGGGTGCCAGCAACACCTCTGAGAATTGTACGTCTGGGAGGAGGT  
 TGAAGGCACTGACCCTGGAACCTTCTCTGAAAGAGGACCTCCTCTGGAAGCCAGGAGCCAGTCACTGAC  
 GGTGGACTTCTGTGAGGAAATGACTGAGAAGTGTACAACAGACGAACAGCCAGGAAAGATTATGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR210130 representing NM\_001135754  
 Red=Cloning site Green=Tags(s)

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MSVDEKPDSPMYVYESTVHCANILLGLNDQRKKDILCDVTLIVERKEFRAHRAVLAACSEYFWQALVGQT
KDDL VVSLPEEVTARGFGPLLQFAYTAKLLL SRENIREVIRCAEFLRMHNLEDSCFSFLQTQLLNREDGL
FVCRKDSACQRPQEDHGNSAGEEEEEETMDSETARMACATDQMLPDPI SFEATAIPVAEKEEALLPESE
VPTDTKENSEKAL TQYPRYKQYLACTKNVYSAASHGTS GFAGTF SEESPGNSLKPGL SVGQIKSEPPN
EETEEESITLCLSGDETDIKDRPGDVEMDRKQSPAPPPGTPTGATSLDRSRVSSP SCLRSLFSIAKGV
ESTGLPSTSQQHFVRSSACPFNKGISQGD LKTDYTPLAGNYGQPHVGQKDVSNFAMGSPLRGP GPETLCK
QEGELDRRSVIF SASTCDQPNTPVHSYSSVSSLDKDLSEPVPKSLWVGAGQSLPSSQAYSHGGLMADHLP
GRIRPNTSCPVP IKVCP RSPPLETRTRTSSSCSSYSYAEDGSGGSPCSLPLCEFS SPCSQGARFLATEH
QEPGLMGDGMYNQVRPQIKCEQSYGTNSSDES GSFSEADSECPVQDRGQEVKLPFPVDQITDLPRNDFQ
MMIKMHKL TSEQLEFIHDIRRRSKNRIAAQR CRKRKLDICIQNLECEIRKLVCEKEKLLSER NQLKVMGE
LLDNFSCLSQEVC RDIQSPEQIQALHRYCPVLIPMDLPGASVNP PPLGVEQSLAPSQC AVGGSVPCCLEP
GAAPPGLPWPSNTSENCTSGRRLE GSDPGTFSERGPPEAR SQSVTVDFCQEMTEKCTTDEQPRKDYA
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

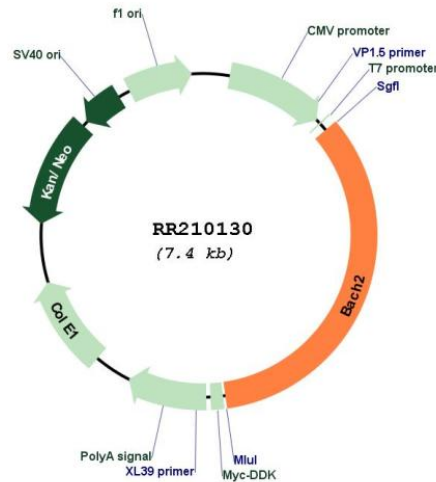
**Restriction Sites:** Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


**ACCN:** NM\_001135754

**ORF Size:** 2517 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:** [NM\\_001135754.1](#), [NP\\_001129226.1](#)

**RefSeq Size:** 3764 bp

**RefSeq ORF:** 2520 bp

**Locus ID:** 313125

**Cytogenetics:** 5q21

MW: 91.9 kDa