

## Product datasheet for **RR203091**

### Chaf1b (NM\_001024741) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Chaf1b (NM_001024741) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chaf1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR203091 representing NM\_001024741  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAAAGTGATCACGTGTGAAATCGCCTGGCACAAACAGGAGCCAGTGTACAGCCTTGACTTCCAGCATG  
 CGGCAGCCTGTAGGATCCAAAGGCTGGCGTCCGCGGGGTGGACACCGCGTTAGGATCTGGAAGGTGGA  
 GAAGGGGCCAGATGGAAGCCATTGTGGAATTCCTCTCCAACCTTGCTCGGCACACAAAGCTGTCAAT  
 GTTGTACGCTTTTCTCCAAGTGGGAGATTTAGCATCTGGAGGAGACGATGCCGTATCCTGCTGTGGA  
 AGATGAATGACAGCAAGGAGCCGGAGCAGATCGCCTTTCAGGATGAAGATGAGGCTCAGCTGAACAAGGA  
 GAACTGGACTGTGGTAAAAACCTGAGGGGCCACTTAGAAGATGTGTATGATATATGCTGGGCAACTGAT  
 GGGAAATGATGGCCTCTGCTTCTGTGGATAACACAGTTATCATATGGGATGTCAGTAAAGGACAGAAGA  
 TTTCCATTTTCAACGAGCATAAAAGTTACGTGCAAGGAGTGACCTGGGATCCTCTGGGTCAATATATCGC  
 GACCCTGAGTTGTGACAGGGTGTGCGGGTCTATAGCACCCAGAAGAAACGTGTGGCTTTCACGTTTCA  
 AAGATGCTCTCTGGACAAGGGCCGAAGGAGAGCGGAGAAGTTTCCGGATGTTTACAGATGACAGCATGA  
 AGTCGTTCTTCCGAAGACTCAGTTTTACTCCAGATGGATCTTGTCTCTCACTCCAGCTGGATGTATGGA  
 GTCTGGTGAAGTGTGACAAACACCACTTATGTGTTCTCCAGAGAACATCTGAAAAGGCCGATTGCCAC  
 CTTCCATGCCCTGGGAAAGCGACCTTGTGTCCGATGCTGTCTGTACTTTGAACTGAGGCCAGTGG  
 CAGAAACAGAGAAAGCGTCAGAGGAGCCAGCCCGAGCTGGTGAGTCTGCCCTACCGTATGGTGTTCGC  
 AGTGGCCTCGGAGGACTGTGTGTGTATGACACGCAACAGTCTTCCATTTGGTTATGTGTCTAAC  
 ATCCATTACCATAACCCTGAGTGACATTTCTGGTCCAGCGATGGGGCTTCTGGCTGTGTCTCCACGG  
 ATGGTATTGCTCATTCTGTGACCTTTGAGAAAGTGAACACTAGGCGTGCCTTTGAAAGGAGAAGCCGGTCT  
 GGGCGTAAGAAGCTCTGACACAGCAAAGAAACCAAGAACCAGAACCCCAAGGGATCTTCGCCAGGATCC  
 AGATCAGCCGAAGGAACCCCAAGCAACAGAATCCAGGACCCAGCAGCCCTGTACCACCCCTCACCAA  
 CCACACAGTCTCCAGCCCGCCGCCATCAAGGACAGTCCCTCAGCCATCCCTGCCGGCAAAAGCCCTT  
 GCCACGGCCTTCTGAGGAGAAGACCCCTGCAGCCTGCCGCTCAAAACATGAAAGCCCCCAACCCCGCAGG  
 GTCACACTGAACACGCTGCAGTCTTGGGCAAGACGGCCCCCGGAGAATAAATTTAACACCGTTGAGGG  
 CAGACTGCACCAATCCACTGCCAGTAGCGGGCCGCCCTCCACAGAAGAGGTCCAGCCAGAGGT  
 GCCTGGAGAGCCCAAGGATGAGCCTCCGAAGTGAAGAGACCTAAGCTTGAAGAACAGGAAGGAGACACC  
 CAAAGCCTGAGTCTGATGAGACTTCAAGTCTGCC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR203091 representing NM\_001024741  
 Red=Cloning site Green=Tags(s)

MKVITCEIAWHNKEPVYSLDFQHAAACRIQLASAGVDTAVRIWKVEKPGDKAIVEFLSNLARHTKAVN  
 VVRFSPTEILASGGDDAVILLWKMNDSKEPEQIAFQDEDEAQLNKENWTVVKTLRGHLEDVYDIWATD  
 GNMMAASVDNTVIIWVSKGQKISIFNEHKSYYQGVTDPLGQYIATLSCDRVLRVYSTQKRVAFNVS  
 KMLSGQPEGEARSFRMFHDDSMKSFRRLLSFTPDGSLLLTPAGCMESGENVTNTTYVFSREHLKRPIAH  
 LPCPGKATLAVRCCPVYFELRPVAETEKASEEPSPELVSLPYRMVFAVASEDSVLLYDTQQSFPGYVSN  
 IHYHTLSDISWSSDGAFLAVSSTDGYCSFVTFEKGELGVPLKEKPVLGVRTPDTAKKTKNQNPQGSPPGS  
 RSAEGTPSNRIQDPSSPCTTSPPTTQSPAPPAIKDSPAIPAGKSPLPRPSEEKTLQPAANMKAQPPRR  
 VTLNLTQSWGKTAPRRINLTPLRADTAPNPLPSSGAAPSTEEVQPEVGPGEQDEPPELKRPKLEEQEGDT  
 QSLSPDETSKSA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001024741

**ORF Size:** 1716 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\\_001024741.1](#), [NP\\_001019912.1](#)

**RefSeq Size:** 1958 bp

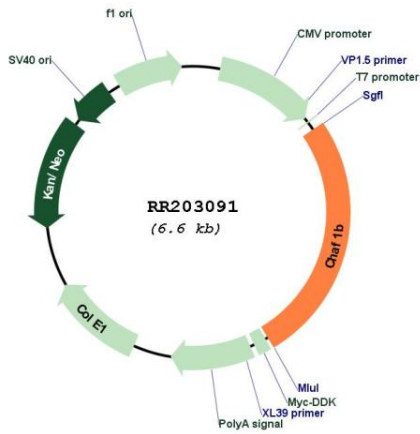
**RefSeq ORF:** 1719 bp

**Locus ID:** 288242

**Cytogenetics:** 11q11

**MW:** 62.7 kDa

Product images:



Circular map for RR203091