

## Product datasheet for **MC205728**

### Chaf1b (NM\_028083) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Chaf1b (NM_028083) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chaf1b
Synonyms:	2600017H24Rik; C76145; CAF-I p60; CAF-Ip60; CAF1; CAF1A; CAF1P60; MPHOSPH7
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC013532  
 CCGAAACTCTGGAGGATGAAAGTGATCACGTGTGAAATCGCCTGGCACAACAAGGAGCCAGTGTACAGCC  
 TGGACTTCCAGCATGGGGCAACCTGGAAGATCCACAGGCTGGCATCCGCGGGGGTGGACACCGCCGTCAG  
 GATCTGGAAGTTGGAGAGGGGGCCAGATGGGAAAGCCATTGTGGAATTTCTCTCCAATCTTGCTCGACAC  
 ACCAAAGCTGTCAATGTTGTACGCTTTTCTCCAAGTGGGAGATTTAGCATCTGGAGGAGATGATGCCG  
 TCATTCTGTTGTGGAAGATGAATGACAGCAAGGAGCCGGAGCAGATCGCCTTTCAGGATGAGGAGGAGGC  
 TCAGCTGAATAAGGAGAACTGGACTGTGGTAAAGACCCCTGAGGGGCCACTAGAAGATGTGTATGATATT  
 TGCTGGGCAACCGATGGGAATTTGATGACCTCTGCCTCTGTGGATAACACAGTTATCATATGGGATGTCA  
 GTAAGGGCAGAAAATTTCCATTTTCAACGAGCATAAAAAGTTATGTGCAAGGAGTCACTGGGATCCTTT  
 GGGTCAATATATTGCGACCCTGAGCTGTGACAGGGTGTGCGGATCTATAATACCCAGAAAAAGCGTGTG  
 GCTTTCAACATTTCAAAGATGCTCTCTGGACAGGGGCTGAAGGAGAGGCAAGAAGTTTCCGGATGTTTC  
 ACGACGACAGCATGAAGTCGTTCTTCCGAAGGCTCAGCTTTACTCCAGATGGATCTTTGCTCCTCACTCC  
 AGCCGGATGTATGGAATCTGGTGAATGTGACAAACACCACTTATGTGTTCTCCAGAAAACACCTGAAA  
 AGGCCAATCGCCATCTCCGTGCCCTGGGAAAGCGACTTGTGTCCGCTGTTGTCTGTCTACTTTG  
 AATTGAGGCCAGTGGCAGAAACAGAGAAAGCATCAGAGGAGCCAGCCCGAGCTGGTGAACCTGCCCTA  
 CCGTATGGTGTTCGCGGTGGCTTCCGAGACTCTGTGTTGCTCTATGACACTCAACAGTCTTTCCATTT  
 GGCTATGTGTCTAACATCCATTACCATACCTGAGTGACATTTCTGGTCCAGCGATGGGGCCTTCTTGG  
 CCATTTCTCCACGGATGGCTATTGCACATTTGTGACCTTCGAGAAAGGTGAACTTGGCATACTTTGAA  
 AGAGAAGCCAGTGTGAGCATAAGGACTCCCGACACAGCCAAGAAAGCCAAGAACCAGACACACCAGGGA  
 TCTTCGCGGGATCCAGATCAGTGAAGGGACCCCGCAACAGAACCAAGACCCAGCAGTCCCTGTA  
 CCACTCCTTACCAACCACACAGTCTCCAGCTCCGTGCGCCATCAAGGACAGTCCCTCAGCCATCCCGGC  
 TGGCAAAAGCCCCTTCCACAACCTTCTGAAGAGAAGACCCTGCAACCTGCTGGGCAAAACATGAAAGCC  
 CCCCACCCCGCAGGGTACCCTGAACACGCTGCAGACTTGGGGCAAGACAGCCCGGAGAGAATAAAT  
 TAACACCATTTGAAAACAGACACTGTGCCAAATCCACAGCCAATAGCGGGACCGCCCTCCACAGAAGA  
 GGTCCAGCCAGAGGCTCCTGGGGAGCCACCGGAGGAGCCTCTGAACTGAAGAGACCCAGGCTTGAGGAA  
 CGTGAAGGAGATGCCAAAACCTGGCCCTGATGACTCTTCCAAGACTGTCTGAGCTGTATGCACCTG  
 CGTGCAGAGGAGCAAGGCCAAAGCTCGAAGGCTGGTGTGGTGGCCAAATAAACACTCATGAATTGGTT  
 CACATAGAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_028083

**Insert Size:** 1719 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:** [BC013532](#), [AAH13532](#)

RefSeq Size: 1893 bp

RefSeq ORF: 1719 bp

Locus ID: 110749

UniProt ID: [Q9D0N7](#)

Cytogenetics: 16 54.96 cM

**Gene Summary:** Complex that is thought to mediate chromatin assembly in DNA replication and DNA repair. Assembles histone octamers onto replicating DNA in vitro. CAF-1 performs the first step of the nucleosome assembly process, bringing newly synthesized histones H3 and H4 to replicating DNA; histones H2A/H2B can bind to this chromatin precursor subsequent to DNA replication to complete the histone octamer (By similarity).[UniProtKB/Swiss-Prot Function]