

Product datasheet for **MC209297**

Rbbp4 (NM_009030) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbbp4 (NM_009030) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rbbp4
Synonyms:	mRbAp48; RBAP48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC209297 representing NM_009030
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGCTGACAAGGAAGCGGCCTTTGACGACGAGTGAAGAACGGGTGATCAACGAGGAGTACAAAATAT
 GGAAGAAGAACACCCCTTTCTTTATGATTTGGTGATGACCCATGCCCTGGAGTGGCCAGCTTAACTGC
 CCAGTGGCTTCCAGATGTGACGAGCCTGAAGGAAAGATTTGAGCATTTCATCGGCTTGTCTGGGAACA
 CACACATCTGATGAACAGAACCACTGGTGATTGCCAGTGTCCAGCTCCCTAATGATGATGCTCAGTTTG
 ATGCATCCCATTTATGACAGTGAAAAAGGAGAATTTGGAGGTTTGGTTCTGTGAGTGGGAAAATTGAAAT
 AGAAATCAAGATCAACCATGAAGGAGAAGTGAACAGGGCCCGGTACATGCCTCAGAACCCCTGCATCATT
 GCAACAAAGACTCCATCCAGTGATGTTCTTGTCTTTGACTACACAAAGCACCTTCTAAACCAGACCCTT
 CTGGAGAATGCAACCCGATTTGCGTCTCCGTGGACATCAGAAGGAAGTTATGGGCTTTCTTGAATCC
 AAATCTCAGTGGGCATTAAGTGTCTCAGATGACCATACCTGCTGTGGGACATCAGTGCAGTT
 CCAAAAGAAGGAAAGGTGGTGGATGCAAAGACCATCTTCACGGGGCATACAGCAGTAGTGGAGGACGTGT
 CCTGGCATCTGCTCCACGAGTCTCTATTTGGCTCAGTTGCTGATGACCAGAAGCTTATGATTTGGGACAC
 TCGTTCAAACAATACTTCCAAGCCAAGCCACTCGGTTGATGCTCACACAGCTGAAGTGAATTGCTTATCT
 TTCAATCCTTATAGTGAGTTTCTTCTGCCACAGGATCGGCTGACAAGACTGTTGCCTTGTGGGATCTGA
 GGAATCTGAAACTCAAGTTGCACTCCTTTGAATCCCATAGGATGAAATATTCAGTTCAGTGGTCACC
 TCACAATGAGACTATCTAGCTTCCAGTGGTACCGATCGTAGGCTGAATGTCTGGGATCTAAGTAAATTT
 GGAGAAGAGCAGTCCCCAGAAGATGCAGAGGATGGCCACCAGAATTGTTGTTTATTCATGGTGGTCACA
 CTGCCAAGATATCTGACTTCTCCTGGAATCCCAATGAGCCTTGGGTGATTGTTCTGTATCAGAAGACAA
 TATCATGCAAGTGTGGCAGATGGCGGAGAACATTTACAATGATGAAGATCCTGAAGGAAGTGTGGATCCA
 GAGGGACAAGGGTCC**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_009030

Insert Size: 1278 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_009030.3, NP_033056.2</u>
RefSeq Size:	4407 bp
RefSeq ORF:	1278 bp
Locus ID:	19646
UniProt ID:	<u>Q60972</u>
Cytogenetics:	4 D2.2
Gene Summary:	<p>Core histone-binding subunit that may target chromatin assembly factors, chromatin remodeling factors and histone deacetylases to their histone substrates in a manner that is regulated by nucleosomal DNA. Component of several complexes which regulate chromatin metabolism. These include the chromatin assembly factor 1 (CAF-1) complex, which is required for chromatin assembly following DNA replication and DNA repair; the core histone deacetylase (HDAC) complex, which promotes histone deacetylation and consequent transcriptional repression; the nucleosome remodeling and histone deacetylase complex (the NuRD complex), which promotes transcriptional repression by histone deacetylation and nucleosome remodeling; and the PRC2/EED-EZH2 complex, which promotes repression of homeotic genes during development; and the NURF (nucleosome remodeling factor) complex (By similarity).[UniProtKB/Swiss-Prot Function]</p>