

Product datasheet for MC209297

Rbbp4 (NM_009030) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Rbbp4 (NM_009030) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Rbbp4 |
| Synonyms: | mRbAp48; RBAP48 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| Fully Sequenced ORF: | >MC209297 representing NM_009030 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTGACAAGGAAGCGGCCTTTGACGACGCAGTGGAAGAACGGGTGATCAACGAGGAGTACAAAATAT
GGAAGAAGAACACCCCTTTTCTTATGATTTGGTGATGACCCATGCCCTGGAGTGGCCAGCTTAACTGC
CCAGTGGCTTCCAGATGTGACCAGGCCTGAAGGAAAGATTTGAGCATTTCATCGGCTTGCTCTGGGAACA
CACACATCTGATGAACAGAACCACTGGTGATTGCCAGTGTCCAGCTCCCTAATGATGATGCTCAGTTTG
ATGCATCCATTATGACAGTGAAAAAGGAGAATTTGGAGTTTTGGTTCTGTGAGTGGGAAAATTGAAAT
AGAAATCAAGATCAACCATGAAGGAGAAGTGAACAGGGCCCGGTACATGCCTCAGAACCCCTGCATCATT
GCAACAAAGACTCCATCCAGTGTGTTCTGTTTTGACTACACAAAGCACCCCTTCTAAACCAGACCCCTT
CTGGAGAATGCAACCCCGATTTGCGTCTCCGTGGACATCAGAAGGAAGTTATGGGCTTTCTTGGAAATCC
AAATCTCAGTGGGCACTTACTTAGTGCTTCAGATGACCATACCATCTGCCTGTGGGACATCAGTGCAGTT
CCAAAAGAAGGAAAGGTGGTGGATGCAAAGACCATCTTACGGGGCATAACAGCAGTAGTGGAGACGTGT
CCTGGCATCTGCTCCACGAGTCTCTATTTGGCTCAGTTGCTGATGACCAGAAGCTTATGATTTGGGACAC
TCGTTCAAACAATACTTCAAGCCAAGCCACTCGTTGATGCTCACACAGCTGAAGTGAATTGCTTATCT
TTCAATCCTTATAGTGAGTTCATTCTTGCCACAGGATCGGCTGACAAGACTGTTGCCTTGTGGGATCTGA
GGAATCTGAAACTCAAGTTGCACTCCTTTGAATCCATAAGGATGAAATATTCCAAGTTCAGTGGTCACC
TCACAATGAGACTATCTTAGCTTCCAGTGGTACCGATCGTAGGCTGAATGTCTGGGATCTAAGTAAAATT
GGAGAAGAGCAGTCCCAGAAGATGCAGAGGATGGCCACCAGAATTGTTGTTTATTCATGGTGGTCACA
CTGCCAAGATATCTGACTTCTCCTGGAATCCCAATGAGCCTTGGGTGATTTGTTCTGTATCAGAAGACAA
TATCATGCAAGTGTGGCAGATGGCGGAGAACATTTACAATGATGAAGATCCTGAAGGAAGTGGATCCA
GAGGGACAAGGGTCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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| Restriction Sites: | Sgfl-Mlul |
| ACCN: | NM_009030 |
| Insert Size: | 1278 bp |
| OTI Disclaimer: | <p>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.</p> <p>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</p> |
| 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_009030.3 , NP_033056.2 |
| RefSeq Size: | 4407 bp |
| RefSeq ORF: | 1278 bp |
| Locus ID: | 19646 |
| UniProt ID: | Q60972 |
| Cytogenetics: | 4 D2.2 |

Gene Summary:

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]