

## Product datasheet for **MR206775**

### **Rbbp7 (NM\_009031) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rbbp7 (NM_009031) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rbbp7
Synonyms:	AA409861; AI173248; AU019541; BB114024; mRbAp46
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR206775 representing NM\_009031  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGAGTAAAGAGATGTTTGAAGATACTGTGGAGGAGCGTGTCAACGAAGAGTATAAAATCTGGA  
 AGAAGAATACACCGTTTCTGTATGACCTGGTTATGACCCATGCTCTTCAGTGGCCAGTCTTACCGTTCA  
 GTGGCTTCTGAAGTGACTAAACCAGAAGGAAAGGATTATGCCCTTCATTGGCTAGTGTGGCACTCAT  
 ACATCTGATGAGCAGAACCATCTGGTGGTTGCTCGAGTTCATATCCCAATGATGATGCACAGTTTGATG  
 CTTCCCACTGTGACAGTGACAAGGGAGAATTCGGTGGCTTTGGTTCTGTAACAGGGAAAATTGAATGTGA  
 AATTAATAAACCATGAAGGAGAAGTGAATCGTGCTCGTTATATGCCACAGAATCCTCACATCATTGCC  
 ACAAAAACACCATCTTCTGATGTTTTGGTTTTGACTATACAAAACACCCTGCAAACCAGATCCAAGTG  
 GAGAATGTAATCCTGATCTTAGATTAAGAGGTCACCAAAAGGAAGGCTATGGTCTTCTGGAATCTAA  
 TCTGAGTGGGCATCTCCTGAGTGCATCTGATGACCATACTGTCTGCCTGTGGGATATAAATGCAGGACCA  
 AAGGAAGGCAAAATTGTGGATGCTAAAGCAATCTTACTGGCCACTCAGCTGTTGTAGAGGATGTGGCCT  
 GGATCTGCTGCATGAGTCCCTGTTGGATCTGTTGCTGATGATCAGAACTTATGATATGGGACACCAG  
 ATCCAATACCACTTCTAAGCCGAGCCATTTGGTGGATGCACACACCGCTGAGGTCAACTGCCTCTCATT  
 AATCCCTACACGAGTTCATTCTGGCAACTGGCTCTGCAGATAAGACTGTAGCTTATGGGACCTGCGTA  
 ATCTGAACTAAAACCCACACCTTTGAATCGCATAAGGATGAAATTTCCAGGTCCACTGGTCTCCACA  
 TAATGAACTATCTGGCCTCAAGTGGTACTGATCGCCGCTGAATGTGTGGGATTAAGTAAAATTGGA  
 GAAGAACAATCAGCAGAAGATGCAGAAGATGGCCTCCAGAGCTCCTGTTTATTCATGGAGGGCACACTG  
 CCAAGATTTCTGACTTCAGCTGGAATCCAATGAACCTTGGGTCATTTGCTCTGTGTCTGAAGATAACAT  
 CATGCAGATATGGCAGATGGCTGAAAATATTTACAATGATGAAGAGTCAGATGTACGGCATCGGAACTG  
 GAGGGCAAGGATCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR206775 representing NM\_009031  
 Red=Cloning site Green=Tags(s)

MASKEMFEDTVEERVINEEYKIWKKNTPFLYDLVMTHALQWPSLTVQWLPEVTKPEGKDYALHWLVLGTH  
 TSDEQNHLLVVARVHIPNDDAQFDASHCDSKGEFGGFSVTGKIECEIKINHEGEVNRARYMPQNPPIIA  
 TKTPSSDVLVFDYTKHPAKPDPSGECNPDRLRGHQKEGYLSWNSNL SGHLL SASDDHTVCLWDINAGP  
 KEGKIVDAKAIFTGHSVVEDVAWHLLHESLFGSVADDQKLMIWDRSNTTSKPSHLVDAHTAEVNCLSF  
 NPYSEFILATGSADKTVALWDLRNLKLLHTFESHKDEIFQVHWSPHNETILASSGTDRLRNVDLSKIG  
 EEQSAEDAEDGPPELLFIHGHTAKISDFSWNPNEPWVICSVSEDNIMQIWQMAENIYNDEESDVTASEL  
 EGQGS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9044\\_h04.zip](https://cdn.origene.com/chromatograms/mm9044_h04.zip)

**Restriction Sites:**

SgfI-MluI

## Cloning Scheme:

Cloning sites used for ORF Shuttling:



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

ACCN: NM\_009031

ORF Size: 1275 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\\_009031.3](#), [NP\\_033057.3](#)

RefSeq Size: 2272 bp

RefSeq ORF: 1278 bp

Locus ID: 245688

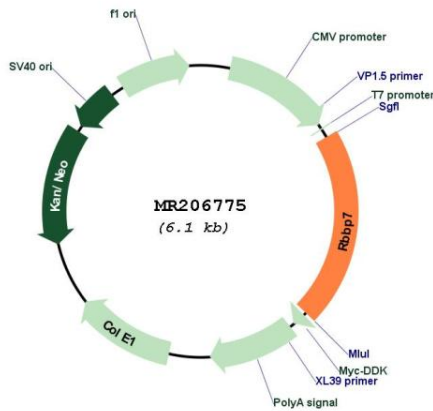
UniProt ID: [Q60973](#)

Cytogenetics: X F4

**MW:** 48.2 kDa

**Gene Summary:** Core histone-binding subunit that may target chromatin remodeling factors, histone acetyltransferases 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 type B histone acetyltransferase (HAT) complex, which is required for chromatin assembly following DNA replication; 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]

**Product images:**



Circular map for MR206775