

Product datasheet for **MG206775**

Rbbp7 (NM_009031) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbbp7 (NM_009031) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rbbp7
Synonyms: AA409861; AI173248; AU019541; BB114024; mRbAp46
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206775 representing NM_009031
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGAGTAAAGAGATGTTTGAAGATACTGTGGAGGAGCGTGCATCAACGAAGAGTATAAAATCTGGA
 AGAAGAATACACCGTTTCTGTATGACCTGGTTATGACCCATGCTCTTCAGTGGCCAGTCTTACCCTTCA
 GTGGCTTCTGAAGTGACTAAACCAGAAGGAAAGGATTATGCCCTTCATTGGCTAGTGTGGCACTCAT
 ACATCTGATGAGCAGAACCATCTGGTGGTTGCTCGAGTTCATATCCCAATGATGATGCACAGTTTGATG
 CTTCCCACTGTGACAGTGACAAGGGAGAATTCGGTGGCTTTGGTTCTGTAAACAGGAAAAATTGAATGTGA
 AATTTAAATTAACCATGAAGGAGAAGTGAATCGTGCTCGTTATATGCCACAGAATCCTCACATCATTGCC
 ACAAAAACACCATCTTCTGATGTTTTGGTTTTTACTATACAAAACACCTGCAAAACAGATCCAAGTG
 GAGAATGTAATCCTGATCTTAGATTAAGAGGTCACAAAAGGAAGGCTATGGTCTTCTGGAATTTCTAA
 TCTGAGTGGGCATCTCCTGAGTGATCTGATGACCATACTGTCTGCCTGTGGGATATAAATGCAGGACCA
 AAGGAAGGCAAAATTGTGGATGCTAAAGCAATCTTACTGGCCACTCAGCTGTTGTAGAGGATGTGGCT
 GGCATCTGCTGCATGAGTCCCTGTTGGATCTGTTGCTGATGATCAGAACTTATGATATGGGACACCAG
 ATCCAATACCACTTCTAAGCCGAGCCATTTGGTGGATGCACACACCGCTGAGGTCAACTGCCTCTCATT
 AATCCCTACAGCGAGTTCATTCTGGCACTGGCTCTGCAGATAAGACTGTAGCTTTATGGGACCTGCCTA
 ATCTGAAACTAAAATCCACACCTTTGAATCGCATAAAGGATGAAATTTCCAGGTCCACTGGTCTCCACA
 TAATGAACTATTCTGGCCTCAAGTGGTACTGATCGCCGCTGAATGTGTGGGATTTAAGTAAAATTGGA
 GAAGAACAATCAGCAGAAGATGCAGAAGATGGCCTCCAGAGCTCCTGTTTATTTCATGGAGGGCACACTG
 CCAAGATTTCTGACTTCAGCTGGAATCCCAATGAACCTTGGGTCAATTTGCTCTGTGTCTGAAGATAACAT
 CATGCAGATATGGCAGATGGCTGAAAATATTTACAATGATGAAGAGTCAGATGTCACGGCATCGGAACTG
 GAGGGCAAGGATCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206775 representing NM_009031
 Red=Cloning site Green=Tags(s)

MASKEMFEDTVEERVINEEYKIWKKNTPFLYDLVMTHALQWPSLTVQWLPEVTKPEGKDYALHWLVLGTH
 TSDEQNHLLVVARVHIPNDDAQFDASHCSDKGEFGGFSVTGKIECEIKINHEGEVNRARYMPQNPPIIA
 TKTPSSDVLVFDYTKHPAKPDPSPGECNPDRLRGRHQKEGYGLSWNSNLSGHLLSASDDHTVCLWDINAGP
 KEGKIVDAKAIFTGHSAVVEDVAWHLLHESLFGSVADDQKLMIWDRSNTTSKPSHLVDAHTAEVNCLSF
 NPYSEFILATGSADKTVALWDLRNLKLLHTFESHKDEIFQVHWSPHNETILASSGTDRLRLNVWDLKIG
 EEQSAEDAEDGPELLEFIHGHTAKISDFSWNPNEPWVICSVSEDNIMQIWQMAENIYNDEESDVTASEL
 EGQGS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

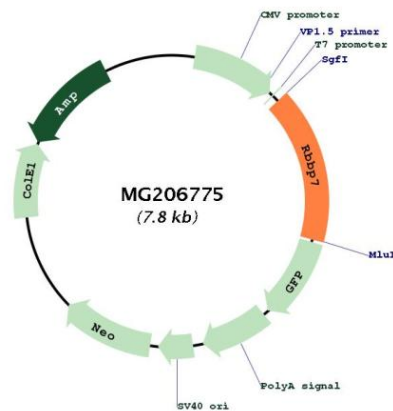
Locus ID: 245688

UniProt ID: [Q60973](#)

Cytogenetics: X F4

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 MG206775