

Product datasheet for **MC209298**

Rbbp6 (NM_175023) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbbp6 (NM_175023) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rbbp6
Synonyms: 4933422O15Rik; AI316869; BB233631; C030034J04Rik; C77662; P2P-R; PACT
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209298 representing NM_175023
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCCTGTGTGCACTATAAATTTCTCTAACTCAACTACGACACCGTCACTTTTGATGGGCTCCATA
TCTCCCTCTGCGATTTAAAGAAGCAGATTATGGGGAGAGAAAAGCTGAAAGCTGCCGATAGCGATCTGCA
GATCACCACGCACAGACGAAAGAAGAATACACTGATGACAATGCGCTCATTCTAAGAACTCATCTGTG
ATTGTCCAGGAGATTCTATTGGAGGTGTCAAGTCTACAAGCAAGACATATGTTATAAGTCGAACTGAAC
CAGTGATGGGAACTACAAAAGCAGTATGTAAAAACACAATCACCCTTTTCTACACAATTGCTTTTACCT
TTATAATGTTTCAGTGACGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_175023
Insert Size: 372 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).



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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_175023.3](#), [NP_778188.1](#)

RefSeq Size: 2272 bp

RefSeq ORF: 372 bp

Locus ID: 19647

UniProt ID: [P97868](#)

Cytogenetics: 7 F2

Gene Summary: E3 ubiquitin-protein ligase which promotes ubiquitination of YBX1, leading to its degradation by the proteasome (By similarity). May play a role as a scaffold protein to promote the assembly of the p53/TP53-MDM2 complex, resulting in increase of MDM2-mediated ubiquitination and degradation of p53/TP53; may function as negative regulator of p53/TP53, leading to both apoptosis and cell growth retardation (PubMed:17470788). Regulates DNA-replication and common fragile sites (CFS) stability in a ZBTB38- and MCM10-dependent manner. Controls ZBTB38 protein stability and abundance via ubiquitination and proteasomal degradation, and ZBTB38 in turn negatively regulates the expression of MCM10 which plays an important role in DNA-replication (PubMed:24726359).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) lacks most 3' exons and has an alternate 3' segment, as compared to variant 1. The resulting isoform 2 is much shorter than isoform 1.