

Product datasheet for MR201952

Rbpms (NM_019733) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbpms (NM_019733) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rbpms
Synonyms: 2010300K22Rik; 2700019M19Rik; AU017537; hermes; RBP-MS
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201952 representing NM_019733
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACGGCGCGCAAAGCCGAGAAGGAGAACACCCCGAGCGAGGCCAACCTTCAGGAGGAGGAGTCC
 GGACCCTATTTGTCAGCGGTCTGCCTCTGGACATCAAGCCCCGAGAGCTGTACCTGCTCTTCAGACCATT
 CAAGGGCTATGAAGTTCTCTCATAAAGCTCACATCTAAACAGCCGTAGGCTTTGTCAGTTTTGACAGT
 CGCTCAGAAGCAGAGGCCGCAAAGAACGCTTTGAACGGCATCCGCTTCGATCCTGAAATCCCGCAAACGC
 TACGACTAGAGTTTGTCTAAGCAAACACGAAGATGGCCAAGAACAACTCGTAGGGACTCCAACCCAG
 TACTCCTCTGCCAACACTGTACCTCAGTTCATTGCCAGGGAGCCATATGAGCTCACAGTACCTGCACTT
 TACCCAGTAGCCCTGAAGTTTGGGCCCGTACCTCTGTACCCAGCGGAGTTAGCGCCTGCTCTTCCTC
 CTCTGCGCTTTACCTACCCGCTTCACTGCATGCCAGATGCGCTGGATCCCTCCCTCCGAGGCCAC
 TTCCAGGGCTGGAAGTCCCGGCAGTTCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201952 representing NM_019733
 Red=Cloning site Green=Tags(s)

MNGGGKAEKENTPSEANLQEEVRTL FVSGPLDIPRELYLLFRPFKGYEGSLIKLTSKQPVGFVSFDS
 RSEAEAAKNALNGIRFDPEIPQTLRLEFAKANTKMAKNKLVGTPNPSTPLPNTVPQFIAREPYELTVPAL
 YPSSPEVWAPYPLYPALPPAAFTYPASLHAQMRWIPPSEATSQGWKSRQFC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

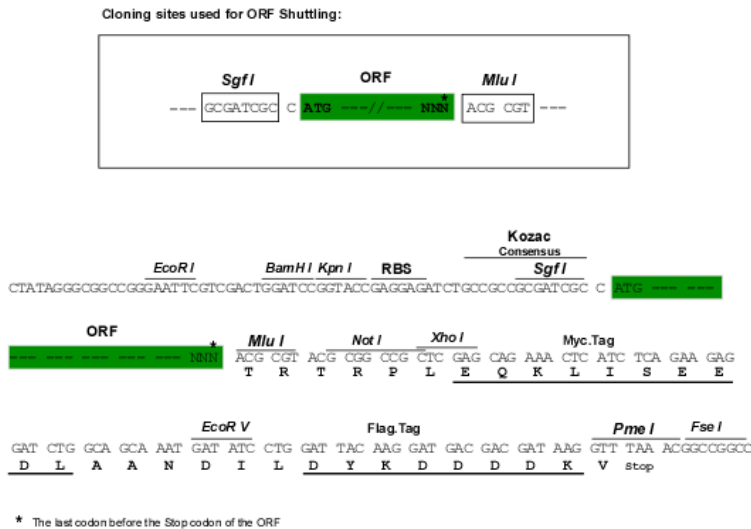


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Chromatograms: https://cdn.origene.com/chromatograms/mm9043_a04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019733

ORF Size: 591 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_019733.3](#), [NP_062707.1](#)

RefSeq Size: 2569 bp

RefSeq ORF: 594 bp

Locus ID: 19663

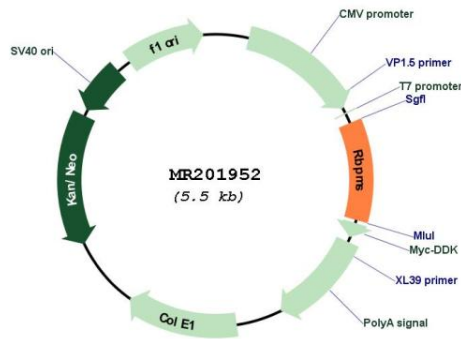
UniProt ID: [Q9WVB0](#)

Cytogenetics: 8 A4

MW: 22.3 kDa

Gene Summary: Acts as a coactivator of transcriptional activity. Required to increase TGFB1/Smad-mediated transactivation. Acts through SMAD2, SMAD3 and SMAD4 to increase transcriptional activity. Increases phosphorylation of SMAD2 and SMAD3 on their C-terminal SSXS motif, possibly through recruitment of TGFBR1. Promotes the nuclear accumulation of SMAD2, SMAD3 and SMAD4 proteins. Binds to poly(A) RNA.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201952