

## Product datasheet for **MC209305**

### Rbpms (NM\_001042675) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rbpms (NM\_001042675) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rbpms  
**Synonyms:** 2010300K22Rik; 2700019M19Rik; AU017537; hermes; RBP-MS  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209305 representing NM\_001042675  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAACGGCGCGCAAAGCCGAGAAGGAGAACACCCCGAGCGAGGCCAACCTTCAGGAGGAGGAGTCC  
GGACCCTATTTGTCAGCGGTCTGCCTCTGGACATCAAGCCCCGAGAGCTGTACCTGCTCTCAGACCATT  
CAAGGGCTATGAAGTTCTCTCATAAAGCTCACATCTAAACAGCCGTAGGCTTTGTGAGTTTGTGACAGT  
CGCTCAGAAGCAGAGGCCGAAAGAACGCTTTGAACGGCATCCGCTTCGATCCTGAAATCCCGCAAACGC  
TACGACTAGAGTTTGCTAAGGCAAACACGAAGATGGCCAAAGAACAACACTCGTAGGGACTCCAAACCCAG  
TACTCCTCTGCCCAACTGTACCTCAGTTCATTGCCAGGGAGCCATATGAGCTCACAGTACCTGCACTT  
TACCCAGTAGCCCTGAAGTTTGGGCCCGTACCCTCTGTACCCAGCGGAGTTAGCGCCTGCTCTTCCTC  
CTCCTGCCGCTTTCACCTACCCGCTTCACTGCATGCCAGTGTTCCTCCAGAGGCAAAGCCCAACAC  
ACCTGTCTTTGTCCACTTCTTCAGCAGATTAGATTTGTCTCTGGGAATGTGTTTGTACATATCAACCT  
ACTGCAGACCAGCAGAGGGAGTCCCGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001042675  
**Insert Size:** 663 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001042675.2</a></u> , <u><a href="#">NP_001036140.1</a></u>
<b>RefSeq Size:</b>	1096 bp
<b>RefSeq ORF:</b>	663 bp
<b>Locus ID:</b>	19663
<b>UniProt ID:</b>	<u><a href="#">Q9WVB0</a></u>
<b>Cytogenetics:</b>	8 A4
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) lacks several exons and includes an alternate 3' terminal exon, compared to variant 1. It encodes isoform 3 which is longer and has a distinct C-terminus, compared to isoform 1.</p>