

Product datasheet for **MC226184**

Rbpms (NM_001286168) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbpms (NM_001286168) 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: >MC226184 representing NM_001286168
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAACGGCGCGCAAAGCCGAGAAGGAGAACACCCCGAGCGAGGCCAACCTTCAGGAGGAGGAGGTCC
GGACCCTATTTGTCAGCGGTCTGCCTCTGGACATCAAGCCCGAGAGCTGTACCTGCTCTTCAGACCATT
CAAGGGCTATGAAGTTCTCTCATAAAGCTCACATCTAAACAGCCGTAGGCTTTGTGAGTTTTCAGAGT
CGCTCAGAAGCAGAGGCCGCAAAGAACGCTTTGAACGGCATCCGCTTCGATCCTGAAATCCCGCAAACGC
TACGACTAGAGTTTGCTAAGGCAAACACGAAGATGGCCAAAGAACAACACTCGTAGGGACTCCAAACCCCGAG
TACTCCTCTGCCAACACTGTACCTCAGTTCATTGCCAGGGAGCCATATGCGCTGGATCCCTCCCTCCGA
GGCCACTTCCCAGGGCTGGAAGTCCCAGGACTTCTGCTGAGGCTGTGTCTCGGGTGTGTGATGGCGGCTG
CAATCTGTCTTGTGGGTATTAATGCGGTCTTACTGGTGGCGACTGTCATCCAGCTGTTCTGCAAAACTG
GAGCTTGCTGGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001286168
Insert Size: 576 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).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001286168.1</u> , <u>NP_001273097.1</u>
RefSeq Size:	2435 bp
RefSeq ORF:	576 bp
Locus ID:	19663
Cytogenetics:	8 A4
Gene Summary:	<p>Acts as a coactivator of transcriptional activity. Required to increase TGFβ1/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 (4) lacks an exon in the 3' coding region, which results in a frameshift, compared to variant 1. This results in a shorter protein (isoform 4) with a distinct C-terminus, compared to isoform 1.</p>