

Product datasheet for MC211267

Rbpms2 (NM_028030) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbpms2 (NM_028030) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rbpms2
Synonyms:	2400008B06Rik; AI316523
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC211267 representing NM_028030 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAGCAACCTGAAGCCGGACGTCGAGCACTGCACGGGCGCGGGACCGGCAGCCCGCTGGAGGAGGAGG
TCCGCACACTGTTTGTCACTGGCCTCCCTGTGGATATTAACCTAGAGAACTCTACCTGCTCTTCCGTCC
ATTCAAGGGCTATGAAGGGTCCCTGATCAAGCTCACCTCAAGACAGCCTGTTGGTTTTGTATCTTTGAC
AGCCGGGAGGAGCGGAAGCAGCAAAACGCATTGAATGGTATTCGCTTTGATCCGGAGAACCCGAGA
CCCTGAGGCTAGAGTTTGCCAAAGCCAACCAAGATGGCCAAGAGCAAACTAATAGCGACACCAATCC
CACCAGTGTCCACCCTGCTCTAGGAGCACACTTGATCGCCCGGGACCCTTATGACCTGATGGGGACTGCT
CTGATTCTGCATCCCCAGAGGCTGGGCCCTTACCCTCTCTACACCACAGAGTGACCCAGCCATT
CACATACCACGTTACCTACCCAGCTGCCACTGCTGCTGCTGCCGCCGCCACCCTACATGCTCAGGT
GCGCTGGTACCCCTCCTCTGACACCACCAGCAAGGATGGAAGTACCGCCAGTTCTGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_028030
Insert Size:	621 bp


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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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_028030.3</u> , <u>NP_082306.2</u>
RefSeq Size:	1956 bp
RefSeq ORF:	621 bp
Locus ID:	71973
UniProt ID:	<u>Q8VC52</u>
Cytogenetics:	9 C
Gene Summary:	Contributes to the regulation of smooth muscle cell differentiation and proliferation in the gastrointestinal system. Binds NOG mRNA. Mediates an increase of NOG mRNA levels, and thereby contributes to the negative regulation of the BMP signaling pathway. This promotes reversible dedifferentiation of smooth muscle cells and promotes smooth muscle cell proliferation.[UniProtKB/Swiss-Prot Function]