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Product datasheet for MR205707

Rbms1 (NM_020296) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbms1 (NM_020296) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rbms1
Synonyms:	2600014B10Rik; AI255215; MSSP-1; MSSP-2; MSSP-3; YC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR205707 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCCACCCAGTCCCAGCACCACCAGCAGTAATAACAACAGTAGCAGCAGTAGCAACTCAGGATGGG
ATCAGCTGAGCAAGACAAACCTCTACATCCGAGGCCTGCCCCCCAATACCACTGATCAAGACCTGGTGAA
GCTCTGCCAACCATATGGGAAGATCGTGTCCACAAAGGCGATTTTGGATAAGGCCACCAACAAGTGCAAA
GGTTATGGTTTTGTTGACTTTGACAGTCCTGCAGCAGCCCAGAAAGCTGTCTCCGCCCTGAAGGCGAATG
GAGTCCAGGCTCAGATGGCAAAGCAACAGGAACAAGATCCTACCAACCTGTACATTTCTAACCTGCCGCT
GTCCATGGATGAGCAGGAACTTGAAAATATGCTCAAACCCTTTGGACAAGTTATTTCTACAAGGGTCCTA
CGTGATTCCAGTGGTGCCAGCCGTGGTGTTGGCTTTGCCAGGATGGAATCAACGGAAAAATGCGAAGCTG
TAATTGGTCATTTTAATGGAAAATTCATCAAGACCCCACCAGGAGTTTCTGCTCCTACAGAACCTTTACT
GTGCAAGTTTGCGGATGGAGGACAGAAAAAGAGACAGAACCCAAACAAGTACATCCCTAACGGGCGGCCA
TGGCCCAGAGATGGAGAGGCTGGAATGACACTCACTTATGACCCGACTACAGCTGCTCTACACAACGGAT
TTTATCCTTCACCATACAGTATTGCCACAAACCGAATGATCACTCAAACTTCTCTTACACCCTATATTGC
ATCTCCTGTATCTGCCTACCAGGTGCAGAGCCCCTCTTGGATGCAGCCTCAGCCGTACATTCTGCAGCAT
CCTGGTGCCGTGTTAACTCCCTCAATGGAACATACCATGTCACTACAACCTGCTTCCATGATCAGCCCTC
TGGCTCAGCAGATGAGTCATCTGTCACTGGGCAGCACCGGAACATACATGCCTGCAACATCAGCCATGCA
AGGAGCCTACTTGCCACAGTATACACACATGCAGACCGCGGCGGTGCCCGTTGAGGAAGCAAGTGGCCAG
CAGCAGGTGGCTGTGGAGACGTCTAATGACCATTCTCCATATACCTTTCCACCCAATAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

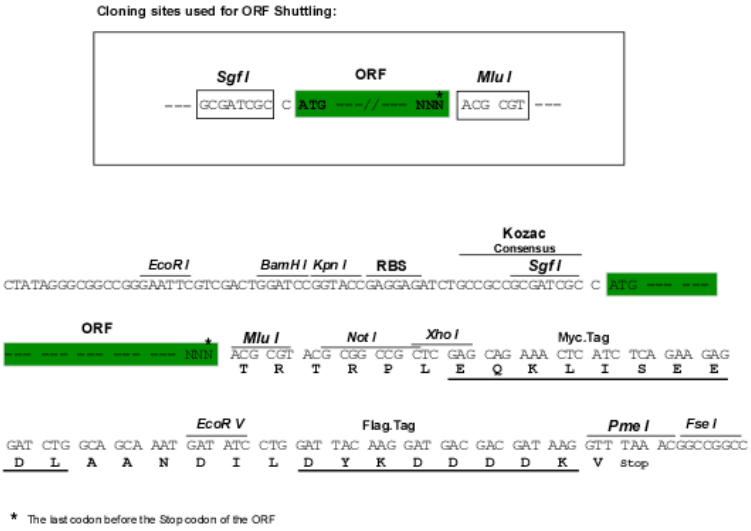
>MR205707 protein sequence
Red=Cloning site Green=Tags(s)

MAPPSPSTTSSNNNSSSSSNSGWDQLSKTNLYIRGLPPNTTDQDLVKLCQPYGKIVSTKAILDKATNKCK
GYGFVDFDSPAAAQKAVSALKANGVQAQMAKQQEQDPTNLYISNLPLSMDEQELENMLKPFGQVISTRVL
RDSSGASRGVGFARMESTEKCEAVIGHFNGKFIKTPPGVSAPTEPLLCKFADGGQKKRQNPNKYIPNGRP
WPRDGEAGMTLTYDPTTAALHNGFYPSPYSIATNRMITQTSLTPYIASPVSAYQVQSPSWMQPQPYILQH
PGAVLTPSMEHTMSLQPASMISPLAQQMSHLSLGSTGTYMPATSAMQGAYLPQYTHMQTAAVPVEEASGQ
QQVAVETSNDHSPYTFPPNK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020296

ORF Size: 1110 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_020296.1, NP_064692.1

RefSeq Size: 2688 bp

RefSeq ORF: 1212 bp

Locus ID: 56878

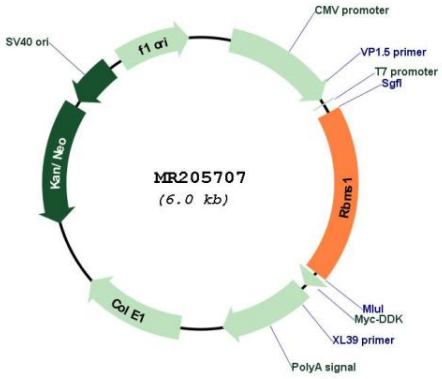
UniProt ID: Q91W59

Cytogenetics: 2 C1.2

MW: 40 kDa

Gene Summary: Single-stranded DNA binding protein that interacts with the region upstream of the MYC gene. Binds specifically to the DNA sequence motif 5'-[AT]CT[AT][AT]T-3'. Probably has a role in DNA replication.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205707