

Product datasheet for **RR212095**

Rbms1 (NM_001012184) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbms1 (NM_001012184) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rbms1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212095 representing NM_001012184 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGCAAAGTGTGGAACAACAGATGTACCCCTCAGTACGCCACCTATTACTACCCCGAGTATCTGCAAG
CCAAGCAGTCTCTGGTCCCAGCGCACCCCATGGCCCTCCCAGTCCCAGCACCACCAGCAGTAATAACAA
CAGTAGCAGCAGTAGCAACTCAGGATGGGATCAGCTGAGTAAGACGAACCTCTACATCCGAGGCCTGCC
CCCAACACCACTGATCAAGACCTGGTGAAGCTCTGTCAACCATACGGGAAGATTGTCTCCACGAAGGCGA
TTTTGGATAAGGCAACCAACAAGTGCAAAGTTATGGATTTGTTGACTTTGACAGTCCTGCAGCAGCCCA
GAAAGCTGTCTCCGCCCTGAAGGCGAGTGGAGTCCAGGCTCAGATGGCAAAGCAACAGGAACAAGATCCT
ACCAACCTGTACATTTCTAACCTGCCACTGTCCATGGATGAACAAGAAGTTGAAAATATGCTCAAACCT
TTGGACAAGTTATTTCTACAAGGTCCTGCGTGATTCCAGTGGTACCAGCCGTGGTGTGGCTTTGCCAG
GATGGAATCAACGAAAAATGCGAAGCTGTAATTGGTCATTTAATGGAAAATTCATCAAGACCCCA
GGAGTTTCTGCTCTACAGAACCTTTACTGTGCAAGTTTGCAGTGGAGGACAGAAGAAGAGACAGAACC
CAAACAAGTACATCCCTAATGGGCGCCATGGCCAGAGAAGGAGAGGCCGGAATGACACTCACTTACGA
CCCGACTACAGCTGCTCTACACAACGGATTTTATCCTTACCATACAGTATTGCCACAAACCGAATGATC
ACTCAAATTTCTTTACACCCTATATTGCATCTCCTGTATCTGCCTACCAGGTGCAGAGTCTTCTCTGGA
TGCAGCCTCAACCATACATTCTGCAGCATCCTGGTGCCGTGTTAACTCCCTCCATGGAACACACCATGTC
ACTACAACCTGCTTCTATGATCAGCCCTCTGGCCAGCAGATGAGTCACCTGTCAGTACAGCAGCCGGA
ACATACATGCCTGCAACGTGAGCCATGCAAGGAGCCTACTTACCAGTACACACATGCAGACTGCGA
CGGTTCCCGTTGAGGAAGCAAGTGGCCAGCAGCAGGTGACTGTGGAGACGTCTAATGACCATTCTCCATA
TACCTTTCCACCAATAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212095 representing NM_001012184
 Red=Cloning site Green=Tags(s)

MGKVWKQQMYPQYATYYYPQYLQAKQSLVPAHPMAPPSPSTTSSNNNSSSSSSNSGWDQLSKTNLYIRGLP
 PNTTDQDLVKLCQPYGKIVSTKAILDKATNKCKGYGFVDFDSPAQAQKAVSALKASGVQAQMAKQQEQDP
 TNLYISNLPLSMDEQELENMLKPFQVISTRVLRDSSGTSRQVGFARMESTEKCEAVIGHFNGKFIKTTP
 GVSAPTEPLLCKFADGGQKKRQNPKNYIPNGRPWPREGAEMTLTYDPTTAALHNGFYPSYSIATNRMI
 TQTSLTPIYIASPVSAAYQVQSPSWMPQPYILQHPGAVLTPSMEHTMSLQASMSISPLAQQMSHLSLSTG
 TYMPATSAMQGAYLPQYTHMQTATVPVEEASGQQVTVETSNDHSPYTFPPNK

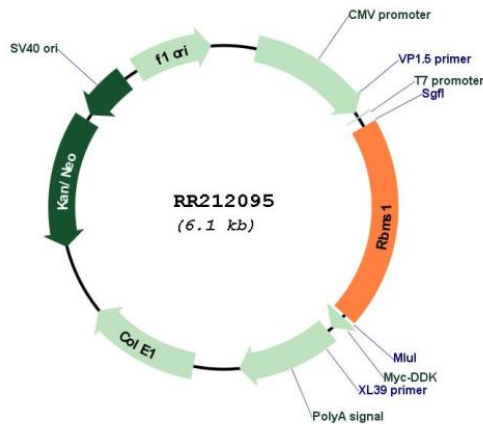
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001012184

ORF Size:	1209 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:	<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:	NM_001012184.1 , NP_001012184.1
RefSeq Size:	1979 bp
RefSeq ORF:	1212 bp
Locus ID:	362138
UniProt ID:	Q5PQP1
Cytogenetics:	3q21
MW:	44.1 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 (By similarity).[UniProtKB/Swiss-Prot Function]