

Product datasheet for **MR226809**

Rbm3 (NM_001166410) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbm3 (NM_001166410) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rbm3
Synonyms: 2600016C11Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR226809 representing NM_001166410
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCGTCTGAAGAAGGGAAACTCTTCGTAGGAGGCTCAACTTCAACACCGATGAACAGGCACTTGAAG
ACCACTTCAGCAGCTTTGGCCATCTCTGAGGTGTTGTTGCAAGGACCGGAGACTCAAAGATCCCG
GGTTTTGGCTTCATCACCTTCACAAACCAGAGCATGCCTCAGATGCGATGAGAGCTATGAATGGAGAG
TCCTGGATGGGCGCAAATCCGAGTTGATCATGCAGAAAGTCTGCCAGGGGATCCAGAGGGGTGCCT
TTGGTGGGCGTGGTTCGAGTTACTCTAGAGGTGGTGGAGACCAGGGATATGGAAGTGAAGATATGACAG
TCGTCCTGGAGGATATGGATATGGGTATGGGCGGTCTAGAGACTACAGTGGCAGCCAGGGTGGCTATGAC
CGCTACTCAGGAGGAAATTACAGAGACAATTATGACAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226809 representing NM_001166410
Red=Cloning site Green=Tags(s)

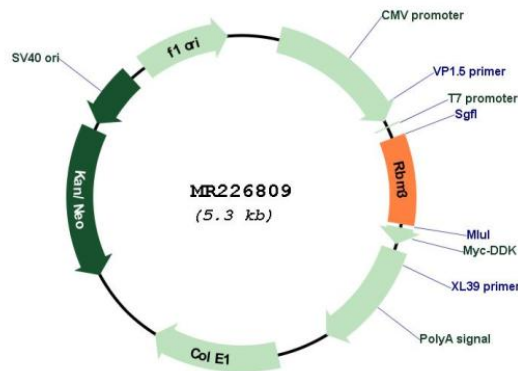
MSSEEGKLFVGGILNFNTDEQALEDHFSFGPISEVVVVKDRETQRSRGGFIFTNPEHASDAMRAMNGE
SLDGRQIRVDHAGKSARGSRGGAFGGRGRSRSRGGDQGYGSGRYDSRPGGYGYGRSRDYSYSGSQGGYD
RYSGGNYRDNYDN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001166410

ORF Size: 459 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:	<u>NM_001166410.2</u>
RefSeq Size:	1263 bp
RefSeq ORF:	462 bp
Locus ID:	19652
UniProt ID:	<u>O89086</u>
Cytogenetics:	X 3.68 cM
MW:	17.1 kDa
Gene Summary:	Cold-inducible mRNA binding protein that enhances global protein synthesis at both physiological and mild hypothermic temperatures. Reduces the relative abundance of microRNAs, when overexpressed. Enhances phosphorylation of translation initiation factors and active polysome formation.[UniProtKB/Swiss-Prot Function]