

Product datasheet for **MG200697**

Rbm3 (BC086491) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbm3 (BC086491) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rbm3
Synonyms: 2600016C11Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200697 representing BC086491
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGTCTGAAGAAGGGAACTCTTCGTAGGAGGGCTCAACTTCAACACCGATGAACAGGCACTTGAAG
ACCACTTCAGCAGCTTTGGGCCTATCTCTGAGGTGTTGTTGTCAAGGACCGGGAGACTCAAAGATCCCG
GGGTTTTGGCTTCATCACCTTCACAAACCCAGAGCATGCCTCAGATGCGATGAGAGCTATGAATGGAGAG
TCCCTGGATGGGCGCAAATCCGAGTTGATCATGCAGAAAGTCTGCCAGGGGATCCAGAGGGGGTGCCT
TTGGTGGCGTGGTCGCAGTTACTCTAGAGGTGGTGGAGACCAGGATATGGAAGTGAAGATATGACAG
TCGTCCTGGAGGATATGGATGGGTATGGGCGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200697 representing BC086491
Red=Cloning site **Green**=Tags(s)
MSSEEGKLFVGGGLNFNTDEQALEDHFSSFGPISEVVVVKDRETQSRGFGFITFTNPEHASDAMRAMNGE
SLDGRQIRVDHAGKSARGSRGGAFFGGRGRSYSRGGDQGYGSGRYDSRPGGYGWVAV

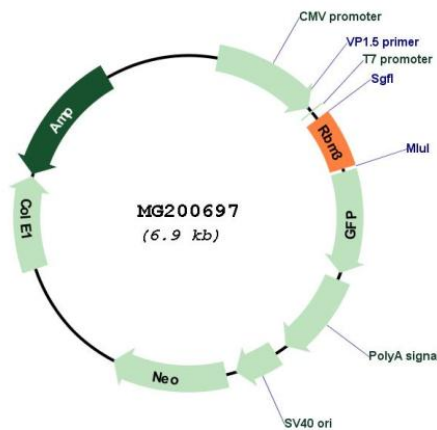
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



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Cloning Scheme:

Plasmid Map:


ACCN: BC086491

ORF Size: 386 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:	BC086491 , AAH86491
RefSeq Size:	1210 bp
RefSeq ORF:	386 bp
Locus ID:	19652
Cytogenetics:	X 3.68 cM
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]