

Product datasheet for **MG226809**

Rbm3 (NM_001166410) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbm3 (NM_001166410) 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: >MG226809 representing NM_001166410
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGTCTGAAGAAGGGAACTCTTCGTAGGAGGGCTCAACTTCAACACCGATGAACAGGCACTTGAAG
ACCACTTCAGCAGCTTTGGGCCTATCTCTGAGGTGGTTGTTGTCAAGGACCGGGAGACTCAAAGATCCCG
GGGTTTTGGCTTCATCACCTTCACAAACCCAGAGCATGCCTCAGATGCGATGAGAGCTATGAATGGAGAG
TCCCTGGATGGGCGCAAATCCGAGTTGATCATGCAGAAAGTCTGCCAGGGGATCCAGAGGGGGTGCCT
TTGGTGGGCGTGGTTCGAGTTACTCTAGAGGTGGTGGAGACCAGGATATGGAAGTGAAGATATGACAG
TCGTCCTGGAGGATATGGATATGGGTATGGGCGGTCTAGAGACTACAGTGGCAGCCAGGGTGGCTATGAC
CGCTACTCAGGAGAAATTACAGAGACAATTATGACAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG226809 representing NM_001166410
Red=Cloning site Green=Tags(s)

MSSEEGKLFVGGILNFNTDEQALEDHFSSFGPISEVVVKDRETQRSRGFFITFTNPEHASDAMRAMNGE
SLDGRQIRVDHAGKSARGSRGGAFGGRGRSRSRGGDQGYGSGRYDSRPGGYGYGRSRDYSYSGSQGGYD
RYSGGNYRDNYDN

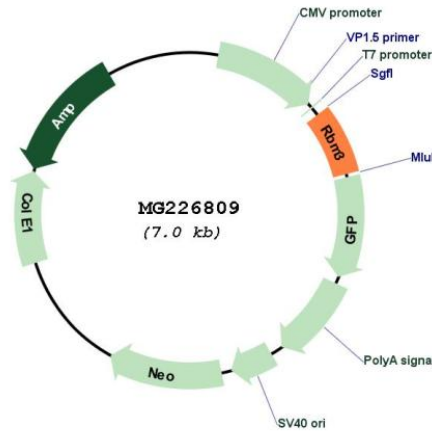
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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
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]