

Product datasheet for **RG201659**

RBM3 (NM_006743) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RBM3 (NM_006743) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RBM3
Synonyms: IS1-RNPL; RNPL
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG201659 representing NM_006743
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTCTGAAGAAGGAAAGCTCTTCGTGGGAGGGCTCAACTTTAACACCGACGAGCAGGCACTGGAAG
ACCACTTCAGCAGTTTCGGACCTATCTCTGAGGTGGTCTGTCAAGGACCGGGAGACTCAGCGTCCAG
GGGTTTTGGTTTCATCACCTTCACCAACCCAGAGCATGCTTCAGTTGCCATGAGAGCCATGAACGGAGAG
TCTCTGGATGGTCGATCCGTGTGGATCATGCAGGCAAGTCTGCTCGGGGAACAGAGGAGGTGGCT
TTGGGGCCCATGGCGTGGTCGAGCTACTCTAGAGGTGGTGGGACCAGGGCTATGGGAGTGGCAGGTA
TTATGACAGTCGACCTGGAGGGTATGGATATGGATATGGACGTTCCAGAGACTATAATGGCAGAAACCAG
GGTGGTTATGACCCTACTCAGGAGGAAATTACAGAGACAATTATGACAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG201659 representing NM_006743
Red=Cloning site Green=Tags(s)

MSSEEGKLFVGGILNFNTDEQALEDHFSSFGPISEVVVVKDRETQRSRGFFITFTNPEHASVAMRAMNGE
SLDGRQIRVDHAGKSARGTRGGGFAGHGRGRSRSRGGDQYGSGRYYSRPGGYGYGRSRDYNRNG
GGYDRYSGGNRDNNDN

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_006743

ORF Size: 471 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.

RefSeq: [NM_006743.5](#)

RefSeq Size: 1588 bp

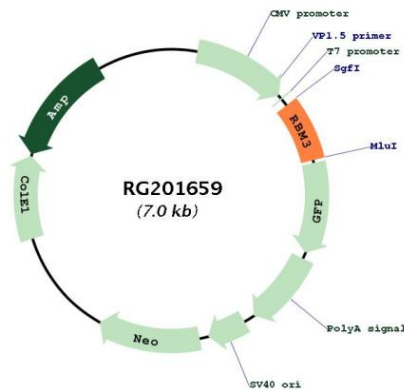
RefSeq ORF: 474 bp

Locus ID: 5935

UniProt ID: [P98179](#)

Cytogenetics:	Xp11.23
Domains:	RRM
Gene Summary:	This gene is a member of the glycine-rich RNA-binding protein family and encodes a protein with one RNA recognition motif (RRM) domain. Expression of this gene is induced by cold shock and low oxygen tension. A pseudogene exists on chromosome 1. Multiple alternatively spliced transcript variants that are predicted to encode different isoforms have been characterized although some of these variants fit nonsense-mediated decay (NMD) criteria. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG201659