

## Product datasheet for **RG228155**

### **RBM34 (NM\_001161533) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RBM34 (NM_001161533) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RBM34
Synonyms:	KIAA0117
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG228155 representing NM_001161533 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCTTGAAGGGATGAGCAAACGGAAGAGAAAGAGAAGTGTCCAGGAGGGAGAGAATCCTGACGACG  
 GCGTTCGCGGGAGTCCGCCGAAGACTACAGGCTTGGACAGGTCGCCAGTAGCTTATTTGCGGGCGAACA  
 CCATTCCAGAGGTGGCACCAGTGGCTGGCGTCCCTCTTCAGTTCTCTGGAGCCCAGATTCAACCCGTG  
 TACGTGCCTGTGCCTAAACAAACCATCAAAAAACGAAACGGAATGAGGAGGAAGAAAGTACATCCCAGA  
 TTGAAAGACCACTTTGCAAGAAGCTGCCAAAAAGTGAAGCGAAGAAGAAACACACTAACGCAGAAAA  
 AAAGTTGGCAGACAGGGAAGCGCTCTAGCGAGTGCTGATTTAGAAGAAGAAATTCACCAGAAACAGGG  
 CAGAAAAGGAAAAATTCTCAACCTGGTGTAAAGTAGCAGATAGAAAAATACTTGATGACACAGAAGACA  
 CAGTTGTGAGTCAAGAAAGAAATTCAAATCAACCAAGAAGAAGAGAGATTAAAGAATGAGAGAACTGT  
 GTTTGTTGGGAATTTGCCTGTTACATGTAATAAGAAGAAGCTGAAGTCGTTTTTTAAAGAGTATGGACAA  
 ATAGAATCTGTACGATTCGTTCTCTGGTATGTTTCATTCCCCCG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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**Protein Sequence:** >RG228155 representing NM\_001161533  
Red=Cloning site Green=Tags(s)

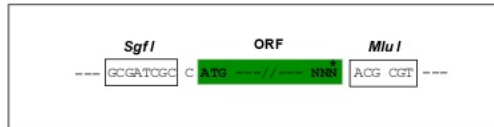
MALEGMSKRKRKRSVQEGENPDDGVRGSPPEDYRLGQVASSLFRGEHHSRGGTGRLASLFSSLEPQIQPV  
YVPVPKQTIKKTKRNEEEESTSQIERPLSQEPAKKVAKKKHTNAEKKLADRESALASADLEEEIHQKQG  
QKRKNSQPGVKVADRKILDDTETVVSQRKKIQINQEEERLKNERTVFVGNLPVTCNKKKLKSFKEYGQ  
IESVRFRLVCFIPP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGCGCGCCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- --- GAA GAA AGA GTT TAA ACGGCGGCGCGGAGCT

- - E E R V Stop

PmeI FseI

**ACCN:** NM\_001161533

**ORF Size:** 675 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\\_001161533.1](#), [NP\\_001155005.1](#)

**RefSeq Size:** 905 bp

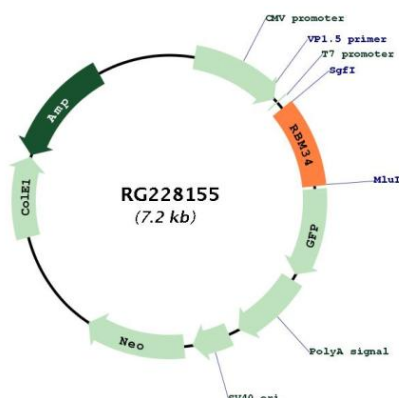
**RefSeq ORF:** 678 bp

**Locus ID:** 23029

**Cytogenetics:** 1q42.3

**Gene Summary:** This gene encodes a member of the RNA-binding motif family of RNA recognition motif proteins. The encoded protein contains an RNA-binding domain made up of two RNA recognition motif subdomains referred to as RNA recognition motif-1 and RNA recognition motif-2. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2016]

## Product images:



Circular map for RG228155