

## Product datasheet for **RG205574**

### **RBM46 (NM\_144979) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RBM46 (NM_144979) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RBM46
Synonyms:	CT68
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG205574 representing NM\_144979  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAATGAAGAAAATATAGATGGAACAAATGGATGCAGTAAAGTTCGAACTGGTATTCAGAATGAAGCAG  
 CATTACTTGCTTTGATGGAAGAACTGGTTACAACATGGTTACAGGAAAATGGACAAAGGAAATTTGGCGG  
 TCCTCCTCCAGGTTGGGAAGGTCCACCTCCACCTAGAGGCTGTGAAGTTTTGTAGGAAAAATACCTCGT  
 GATATGTATGAAGATGAGTTAGTTCCTGTATTTGAAAGAGCTGGGAAGATATATGAATTCGACTTATGA  
 TGGAAATTTAGTGGTGAAGAACTCGAGGTTATGCTTTTGTGATGTACACTACAAAAGAAGAAGCCCAATTAGC  
 CATCAGAATTCCTAATAATTATGAAATTCGACCAGGGAAGTTTATTGGTGTGTGTGAAGCCTGGATAAT  
 TGTAGATTATTTATTGGAGCTATCCCAAGGAAAAGAAGAAGAAGAAATTTAGATGAAATGAAGAAAG  
 TTACAGAAGGAGTTGTAGATGTCATTGTTTATCCAAGTCAACTGATAAGACCAAAAATCGTGGTTTTGC  
 ATTTGTGGAATATGAATCTCACAGAGCTGCTGCTATGGCAAGGAGGAACTAATCCAGGAACATCCAA  
 CTATGGGGCCACACCATTAGGTAGATTGGGCTGACCCAGAGAAAAGAGGTGGATGAGGAAACCATGCAGA  
 GAGTTAAAGTTCTTTATGTAAGAAATTTAATGATCTCAACTACAGAGGAAACAATTAAGCAGAATTCAA  
 TAAATTTAAGCCTGGTGCAGTTGAACGGGTAAGAAACTTAGAGATTATGCTTTTGTTCACCTTTTCAAC  
 CGAGAAGATGCAGTGGCTGCCATGTCTGTTATGAATGGAAAATGCATTGATGGAGCAAGTATTGAGGTAA  
 CACTAGCTAAACCAGTAAATAAAGAAAACACTGGAGACAGCATCTTAATGGTCAGATTAGTCCAAATTC  
 TGAAAATCTGATTGTGTTGCTAACAAAGAAGAGAGCCACCCAAAAACTTAGGCAAGCTGCCAACTCTT  
 CCTGCTCGTCTCAATGGTCAGCATAGCCCAAGTCCGCTGAAGTTGAAAGATGCACCTACCTTTTTATC  
 CTGGAACAAAGCTTACTCCAATTAGTATGTATTTCTTTAAAAATCCAATCATTTTAATCTGCAGTAAATGCA  
 TTTGGATTATTACTGCAACAAAAATAACTGGGCACCACCAGAATATTATTATATTCAACAACAAGTCAA  
 GATGGGAAAGTACTCTTGGTGTATAAGATGTTATTCCTGCTATTGCAAATGGATCCCAGAGTTACTTCA  
 TGCCAGACAAACTCTGTACTACGTTAGAAGATGCAAAGGAACTGGCAGCCAGTTTACATTACTTCAATTT  
 GGACTACAATTTCCATCGCAGCTCAATAAATAGTCTTTCCCTGTTAGTGTACCCTCTCTTCTGGGACT  
 CCCAGCGTGCTTCTTATACTTCAAGGCCTTATTCTTATCCAGGCTATCCTTTGCACCAACAATATCAC  
 TTGCTAATGGCAGCCATGTTGGACAGCGGCTATGTATCTCCAATCAGGCCTCCTTCTTC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG205574 representing NM\_144979  
 Red=Cloning site Green=Tags(s)

MNEENIDGTNGCSKVRTGIQNEAALLALMEKTGYNMVQENGQRKFGPPPGWEGPPPPRGCEVFGKIPR  
 DMYEDELVPVFERAGKIYEFRLMMEFSGENRGYAFVMTTKEEAQLAIRILNNYEIRPGKFIGVCVSLDN  
 CRLFIGAIPKEKKKEEILDEMCKVTEGVVDVIVYPSATDKTKNRGFAFVEYESHRAAAMARRKLIPTGFQ  
 LWGHTIQVDWADPEKEVDEETMQRVKVLYVRNLMISTTEETIKAEFNKFKPGAVERVKKLRDYAFVHFFN  
 REDAVAAMSVMNGKIDGASIEVTLAKPVNKENTWRQHLNGQISPNSENLIVFANKEESHPKTLGKLP  
 PARLNGQHSPSPPEVERCTYPFYPGKLTPI SMYSLKSNHFN SAVMHLDYCNKNWAPPEYYLYSTTSQ  
 DGKVLVYKIVIPAIANGSQSYFMPDKLCTTLEDAKELAAQFTLLHLDYNFHRSSINSLSPVSATLSSGT  
 PSVLPYTSRPSYPGYPLSPTISLANGSHVQRLCISNQASFF

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_144979

**ORF Size:** 1599 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\\_144979.5](#)

**RefSeq Size:** 2462 bp

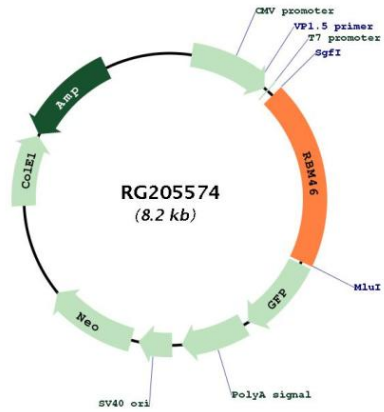
**RefSeq ORF:** 1602 bp

**Locus ID:** 166863

**UniProt ID:** [Q8TBY0](#)

**Cytogenetics:** 4q32.1

Product images:



Circular map for RG205574