

## Product datasheet for **RG227492**

### **RBM17 (NM\_001145547) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RBM17 (NM_001145547) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RBM17
Synonyms:	SPF45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG227492 representing NM_001145547 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCTGTACGATGACCTAGGAGTGGAGACCAGTGAAGTCAAAAAAGGCTGGTCCAAAACTTCA  
AACTTCTGCAGTCTCAGCTTTCAGGTGAAGAAGGCAGCTCTCACTCAGGCAAGAGCCAAAGGACGAAACA  
AAGTACAGTCTCGCCCCAGTCACTGACCTGAAGCAGGTTGGCTCCTCAGATGACCGCAAATTGTGGAC  
ACTCCACCGCATGTAGCAGCTGGGCTGAAGGATCTGTTCCAGTGGGTTTTCTGCAGGGGAAGTCTGA  
TTCCTTAGCTGACGAATATGACCTATGTTTCCTAATGATTATGAGAAAGTAGTGAAGCGCCAAAGAGA  
GGAACGACAGAGACAGCGGGAGCTGGAAAGACAAAAGGAAATAGAAGAAAGGGAAAAAGGCGTAAAGAC  
AGACATGAAGCAAGTGGGTTTGCAAGGAGACCAGATCCAGATTCTGATGAAGATGAAGATTATGAGCGAG  
AGAGGAGGAAAAGAAGTATGGGCGGAGCTGCCATTGCCCCACCCACTTCTCTGGTAGAGAAAAGACAAAGA  
GTTACCCCGAGATTTTCTTATGAAGAGGACTCAAGACCTCGATCACAGTCTTCCAAAGCAGCCATTCT  
CCCCAGTGTACGAGGAACAAGACAGACCAGATCTCCAACCGGACCTAGCAACTCTTCTCGTAACA  
TGGGGGACCGTGGCGCACAAGATCATGCAGAAGTACGGCTCCGGGAGGGCCAGGGTCTGGGGAAGCA  
TGAGCAGGGCCTGAGCACTGCCTTGTCAAGTGGAGAAGACCAGCAAGCGTGGCGGCAAGATCATCGTGGC  
GACGCCACAGAGAAAGATGCATCCAAGAAGTCAAGTCAATCCGCTGACTGAAATACTTAAGTGTCTTA  
CTAAAGTGGTCTTACTAAGGAACATGGTTGGTGGCGGGGAGGTGATGAAGACTTGGAAAGTTGAAACCA  
GGAAGAATGTGAAAAATATGGCAAAGTTGGAAAATGTGTGATATTTGAAATTCCTGGTGCCTGATGAT  
GAAGCAGTACGGATATTTTAGAATTTGAGAGAGTTGAATCAGCAATTAAGCGGTTGTTGACTTGAATG  
GGAGGTATTTGGTGGACGGGTGGTAAAAGCATGTTTCTACAATTTGGACAAATTCAGGGTCTTGGATT  
GGCAGAACAAAGTT

**ACGGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG227492 representing NM\_001145547  
 Red=Cloning site Green=Tags(s)

MSLYDDLGVETSDSKTEGWSKNFKLLQSQLQVKAALTQAKSQRTKQSTVLAPVIDLKRGGSSDDRQIVD  
 TPPHVAAGLKDPVPSGF SAGEVLIPLADEYDPMFPNDYEVVVKRQREERQRELERQKEIEEREKRRKD  
 RHEASGFARRPDPDSDEDEDYERERRKRSMGAAIAPPTSLVEKDKELPRDFPYEEDSRPRSQSSKAAIP  
 PPVYEEQDRPRSPTGPSNSFLANMGGTVAHKIMQKYGFREGQGLGKHEQGLSTALSVEKTSKRGGKIIVG  
 DATEKDASKKSDSNPLTEILKCPKTVVLLLRNMGVAGEVDEDLEVEKKEEKEKYGVGKCVIFEIPGAPDD  
 EAVRIFLEFERVESAIKAVVDLNGRYFGGRVVKACFYNLDKFRVLDLAEQV

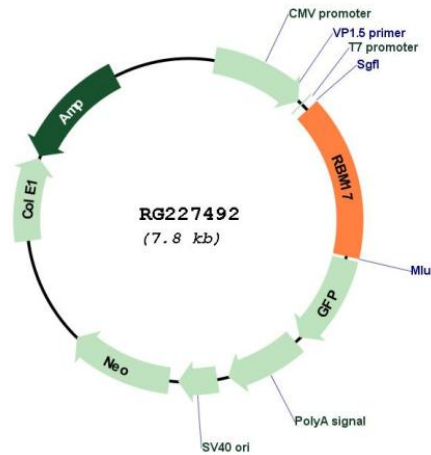
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001145547

<b>ORF Size:</b>	1203 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001145547.1</a> , <a href="#">NP_001139019.1</a>
<b>RefSeq Size:</b>	3760 bp
<b>RefSeq ORF:</b>	1206 bp
<b>Locus ID:</b>	84991
<b>UniProt ID:</b>	<a href="#">Q96I25</a>
<b>Cytogenetics:</b>	10p15.1
<b>Protein Pathways:</b>	Spliceosome
<b>Gene Summary:</b>	This gene encodes an RNA binding protein. The encoded protein is part of the spliceosome complex and functions in the second catalytic step of mRNA splicing. Alternatively spliced transcript variants have been described. Related pseudogenes exist on chromosomes 9 and 15. [provided by RefSeq, Mar 2009]