

## Product datasheet for **MG217393**

### **Rcbtb2 (NM\_134083) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rcbtb2 (NM_134083) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rcbtb2
Synonyms:	2610028E02Rik; 2810420M18Rik; AI448345; AW240694; Chc1l; RC/BTB2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG217393 representing NM\_134083  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAAGAAGAAGTGCCTGGTTTCTATGGAGAAGTGGCAAGTCAGTACAGGCTACCTGTCATCGTTGA  
 AGATGTTAGATGTGGAAAGTGGCAATTTTTCCCTTTGTTCTGAGGAAGATACAGTTGATTGTCGA  
 GGCTTGTGTCTTCGCGCAGTGTGCAATGAAGTTTATACACTACAGTCAACGATGAGATTTTTGTGCTT  
 GGCACAACTGCAGTGGCTGTCTGGGGTAGGCGACATTCAGAGCACTATTGAGCCTCGGAGACTGGATT  
 CTCTAACTGGCAAAAAATAGCCAGCCTCAGCTATGGGAGTGGCCCTCATATCGTCCTTGCACAACAGA  
 TGGAGAAGTCTTTACCTGGGGTCAATGCTTATAGCCAGCTGGCAATGGGACAACGAATCATGGTTTA  
 GTGCCCTGCCATATCTCTACGAATTTGTCAAACAACAAGTCATTGAGGTCGCTGTGGGCTTACCCT  
 CTTTGGTTCTAACATCTGATGGGAGGTGTTGCCTGGGTTATAATAACTCAGGGCAAGTAGGATCTGG  
 ATCAACAGCTAACAGCCATTCCCGAAGAGTCACTGGATGCTTGCAGAATAAAGTAGTTATGAACATA  
 GCATGTGGGCAGATGTGCTCCATGGCTGTTGTGGACACTGGAGAGGTCTACGTCTGGGGTTACAATGGCA  
 ATGGGCAGCTGGGCTGGGCAGCAGTGGCAACCCAGCCACCCATGCAGAGTGGCCGCCCTGCAAGGCAT  
 CCGTGTCCAGCGGTTGCCTGTGGCTACGCACACACATTAGTATTAACAGATGAAGGTCAAATATATGCT  
 TGGGGTGCAAAATCTTATGGCCAGTGGGCACTGGCAATAAAAGTAACAGTCCCTATCCTACCCCTGTTG  
 TTGTGGAAAAGGACAGAATCATAGAGATTGCAGCCTGTCACTCTGCCACACATCTGCTGCCAAGACACA  
 AGGTGGCACGTGACATGTGGGGCCAGTGCAGGGCCAGTGGTGTATCCTTCCACACCACACTCACTTC  
 TGCTGCACCGATGACGTGTTGCCTGCTCGCCACCCCGGCTGTACCTGGCGCCTTCTCTCCGTGGAAC  
 CTGACACCACCTCACTGTGGCCGAGTCTCTGAAGAGGGAGTTTGACAACCCTGACACTGCAGACTCAA  
 GTTTCTGGTTGATGGAAAATACATTTATGCTCACAAAGTCTTCTCAAAATTAGGTGTGAACATTTTCGT  
 TCTTCATTAGAAGACAGTGAAGACGATATTGTAGAAATGAGCGAGTTTTCGTATCCTGTGTTCCGAGCTT  
 TCCTGGAGTATCTATACACAGATAACATCAGCCTATCTCCTGAGGAGGCAGTAGGGTTGCTAGATCTGGC  
 TACATTTTACAGTGAAGTCTGCTGCTGTCAACAACTATCAAGCAAGGAATCTGTGAGGAG  
 AATGCTATTGCTCTGCTCTGCTGTCAAGTATGATGCCAGGACTAGAAGAGTTCTGCTTCAGGT  
 TCTGCATCAACCATCTGACTGTAGTAACACAACGTCAGGCTTTGCAGAAATGGACCACGATCTTCTAAA  
 GAACCTTATCAGCAAAGCCAGCAGAGTTGGAGCCTTTAAGAAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG217393 representing NM\_134083  
 Red=Cloning site Green=Tags(s)

MEEEVPGFYGESGKSVQATLSSLKMLDVGKWIIFSLCSEELQLIRQACVFGSAGNEVL YTTVNDEIFVL  
 GTNCSGCLGVGDIQSTIEPRRLDSLTKKIASLSYSGPHIVLATTDGEVFTWGHNAYSQLGNGTTHNHL  
 VPCHISTNLSNKQVIEVACGSYHSLVLTSDGEVFAWGYNNSGQVGSSTANQPIPRRVTGCLQNKVVMNI  
 ACGQMCSMAVVDTGEVYVWYNGNGQLGLGSSGNQPTPCRVAALQGIRVQRVACGYAHTLVLTDEGQIYA  
 WGANSYQLGTGNKSNQSYPTPVVVEKDRIIEIAACHSAHTSAKTQGGHYVMWQCRGQSVILPHHTF  
 CCTDDVFACFATPAVTWRLLSVEPDDHLTVAESLKREFDNPDTADLKFLVDGKYIYAHKVLLKIRCEHFR  
 SSLEDDIVEMSEFSYPVFRFLEYLYTDNISLSPEEAVGLLDLATFYSETRLKCLKQTIKQIGICEE  
 NAIALLSAVKYDAQDLEEF CFRFCINHLTVVTQTSGFAEMDHLLKNFISKASRVGAFKN

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

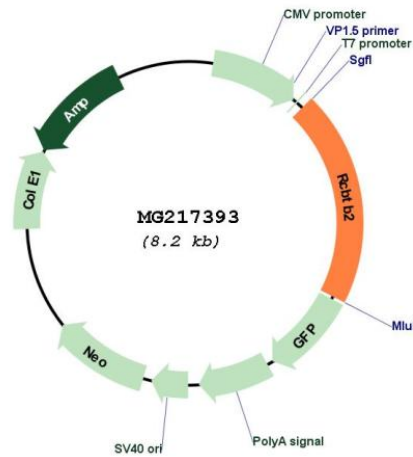
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_134083
ORF Size:	1653 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. <a href="#">More info</a>
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"><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>
RefSeq:	<a href="#">NM_134083.4</a> , <a href="#">NP_598844.3</a>
RefSeq Size:	3406 bp
RefSeq ORF:	1656 bp
Locus ID:	105670
UniProt ID:	<a href="#">Q99LJ7</a>
Cytogenetics:	14 D3