

## Product datasheet for **RG217218**

### **RCOR3 (NM\_018254) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RCOR3 (NM_018254) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RCOR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG217218 representing NM\_018254  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGAGTCGGAGCCGAATACCAAGCTCGGATCCCTGAATTTGATCCAGGTGCTACAAAGTACACAGATA  
 AAGACAATGGAGGGATGCTTGTATGGTCTCCATATCACAGTATCCCAGATGCCAAATTGGATGAATACAT  
 TGCAATTGCAAAGGAAAAGCATGGCTACAATGTGGAACAGGCACTTGGCATGTTGTTCTGGCATAAACAT  
 AACATTGAGAAGTCCCTTGTGATCTCCCTAATTTCACTCCCTTTCCGGATGAGTGGACAGTGGAAAGATA  
 AAGTCCTATTTGAACAAGCCTTTAGTTTTCATGGAAAGAGCTTTACAGGATTCAGCAAATGCTTCCAGA  
 TAAGACAATTGCAAGCCTTGTAAAATTAATACTATTCTTGGAAAAAACTCGCTCTAGGACAAGTTTGATG  
 GATCGCCAGGCTCGTAACTAGCTAATAGACATAATCAGGGTGACAGTGTATGATGTAGAAAGAAACAC  
 ATCCAATGGATGGGAATGATAGTATTGATCCCAAAAAGAAGCCAAAAAGAGGGTAATACTGAACA  
 ACCTGTCCAACTAGCAAGATTGGACTTGAAGAAGAGAGTATCAGAGTTTACAACATCGCCATCATTCT  
 CAGCGTTCTAAGTGCCGTCCACCTAAGGGCATGTATTTAACCCAGGAAGATGTGGTAGCAGTTTCCCTGTA  
 GTCCCAATGCAGCCAACACCATCCTGAGGCAACTGGACATGGAGTTGATCTCTCTAAAACGTCAGGTTCA  
 GAATGCTAAGCAAGTAAACAGTGCACTTAAACAGAAAAAGGAAGGTGGAATTGAAGAATTCAAACCTCCT  
 GAGTCAAATCAGAAAAATTAATGCCCGTTGGACCACAGAGGAGCAGCTTCTAGCAGTGAAGGTGTCGCGCA  
 AATATGGTAAAGATTTTCAAGCTATTGCAGATGTAATTGGCAACAAGACTGTTGGCCAAGTGAAGAACTT  
 CTTTGTAACTACAGGCGTCGGTTTAACTTAGAGGAGGTATTGCAGGAGTGGGAAGCAGAACAAGGAACC  
 CAGGCTTCTAATGGTGTGCTTCTACTTTAGGGGAGGAGACAAAAAGTCTTCTAATGTGCCATCAGGGA  
 AGAGCACTGATGAAGAAGAGGAGGACAGACCCACAGGCTCCTCGGACTGGTCCATCACCTCCTGCT  
 CCCATCATCCACTCCAACACCAACAGCCCTATTGCCACTCTGAACCAGCCTCCACCCTTCTTCGTCCA  
 ACACTGCCTGCTGCCCGGCTCTTACCAGGAGCCTCCTCCACTCCAGCAGCAGGCTCGGTTTCATCCAGC  
 CCCGGCCAACCTTAAATCAGCCTCCACCACCTTATTTCGCCCTGCTAATTCCATGCCACCCCGTCTAAA  
 CCCAAGACCGGTGTTGTCCACGGTTGGTGGTCAACAGCCACCATCACTTATTGGAATTCAGACAGATTCA  
 CAGTCCTCACTGCAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG217218 representing NM\_018254  
 Red=Cloning site Green=Tags(s)

MRVGAEYQARIPEFDPGATKYTDKDNNGMLVWSPYHSIPDAKLDEYIAIAKEKHGYNVEQALGMLFHHK  
 NIEKSLADLPNFPFDEWTVEDKVLFEQAFSFHGKSFHRIQQMLPDKTIASLVKYYYSWKTRSRSLM  
 DRQARKLANRHNQGDSDDDVEETHPMDGNDSYDYPKKEAKKEGNTEQPVTQSKIGLGRREYQSLQHRHHS  
 QRSKCRPPKGMYLQEDVVAVSCSPNAANTILRQLDMELISLKRQVQNAKQVNSALKQKMEGGIEEFKPP  
 ESNQKINARWTTTEQLLAVQGVRYGKDFQAIADVIGNKTVGQVKNFFVNYRRRNFNLEEVLEWEAEQGT  
 QASNGDASTLGEETKSASNVPSGKSTDEEEEAQTPQAPRTLGPSPAPSSPTPTAPIATLNQPPPLLRP  
 TLPAPALHRQPPLQQARFIQPRPTLNQPPPLIRPANSMPPLNRPVPLSTVGGQQPPSLIGIQTDS  
 QSSLH

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_018254

**ORF Size:** 1485 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\\_018254.4](#)

**RefSeq Size:** 4083 bp

**RefSeq ORF:** 1488 bp

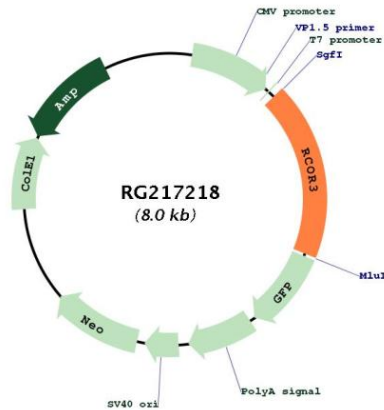
**Locus ID:** 55758

**UniProt ID:** [Q9P2K3](#)

**Cytogenetics:** 1q32.2-q32.3

**Domains:** ELM2, myb\_DNA-binding  
**Protein Families:** Transcription Factors  
**Gene Summary:** May act as a component of a corepressor complex that represses transcription. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG217218