

## Product datasheet for **MG202066**

### Rbp4 (BC093529) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rbp4 (BC093529) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Rbp4  
**Synonyms:** Rbp-4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG202066 representing BC093529  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGTGGGTGTGGCGCTCGTGCTGCTGGCGGCTCTGGGAGGCGGCAGCGCCGAGCGCGACTGCAGGG  
 TGAGCAGCTTCCGAGTCAAGGAGAACTTCGACAAGGCTCGTTTCTCTGGGCTCTGGTATGCCATCGCAA  
 AAAGGACCCCGAGGGTCTCTTTTGAAGACAACATCATCGCTGAGTTTTCTGTGGACGAGAAGGGTCAT  
 ATGAGCGCCACAGCCAAGGACGAGTCCGTCTTCTGAGCAACTGGGAAGTGTGTGCAGACATGGTGGCA  
 CTTTCACAGACTGAAGATCCTGCCAAGTTCAAGATGAAGTACTGGGGTGTAGCCTCCTTCTCCAGCG  
 AGGAAACGATGACCACTGGATCATCGACACGGACTACGACACCTTCGCTCTGCAGTACTCCTGCCGCTG  
 CAGAATCTGGATGGCACCTGTGCAGACAGCTACTCCTTTGTGTTTTCTCGTGACCCCAATGGCCTGAGCC  
 CAGAGACACGGAGGCTGGTGAAGCAACGGCAGGAGGAGCTGTGCCTAGAGAGGCAGTACAGATGGATCGA  
 ACACAATGGTTACTGTCAAAGCAGGCCCTCCAGAAACAGTTTG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >MG202066 representing BC093529  
 Red=Cloning site Green=Tags(s)

MEWWALVLLAALGGGSAERDCRVSSFRVKENFDKARFSGLWYAIKKDPEGLFLQDNIIAEFSVDEKGH  
 MSATAKGRVRLLSNWEVCADMVGTFTDTEPAKFKMKYWGVAFLQRGNDDHWIIDTDYDTFALQYSCRL  
 QNLDGTCADSYSFVSRDPNGLSPETRRLVQRQEELCLERQYRWEHNGYCQSRPSRNSL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**


**ACCN:** BC093529

**ORF Size:** 605 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:** [BC093529](#), [AAH93529](#)

**RefSeq Size:** 1176 bp

**RefSeq ORF:** 605 bp

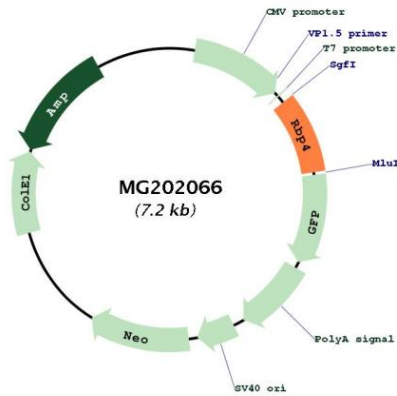
**Locus ID:** 19662

**Cytogenetics:** 19 32.75 cM

**Gene Summary:**

Retinol-binding protein that mediates retinol transport in blood plasma. Delivers retinol from the liver stores to the peripheral tissues. Transfers the bound all-trans retinol to STRA6, that then facilitates retinol transport across the cell membrane.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG202066