

Product datasheet for **MG202052**

Rbp4 (BC031809) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rbp4 (BC031809) 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: >MG202052 representing BC031809
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGTGGGTGTGGGCGCTCGTGCTGCTGGCGGCTCTGGGAGGCGGCAGCGCCGAGCGCGACTGCAGGG
 TGAGCAGCTTCCGAGTCAAGGAGAACTTCGACAAGGCTCGTTTCTCTGGGCTCTGGTATGCCATCGCCAA
 AAAGGACCCCGAGGGTCTCTTTTGAAGACAACATCATCGCTGAGTTTTCTGTGGACGAGAAGGGTCAT
 ATGAGCGCCACAGCCAAGGACGAGTCCGTCTTCTGAGCAACTGGGAAGTGTGTGCAGACATGGTGGCA
 CTTTCACAGACTGAAGATCCTGCCAAGTTCAAGATGAAGTACTGGGGTGTAGCCTCCTTCTCCAGCG
 AGGAAACGATGACCACTGGATCATCGACACGGACTACGACACCTTCGCTCTGCAGTACTCCTGCCGCTG
 CAGAATCTGGATGGCACCTGTGCAGACAGCTACTCCTTTGTGTTTTCTCGTGACCCCAATGGCCTGAGCC
 CAGAGACACGGAGGCTGGTGAAGCAACGGCAGGAGGAGCTGTGCCTAGAGAGGCAGTACAGATGGATCGA
 ACACAATGGTTACTGTCAAAGCAGGCCCTCCAGAAACAGTTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202052 representing BC031809
 Red=Cloning site Green=Tags(s)

MEWVWALVLLAALGGGSAERDCRVSSFRVKENFDKARFSGLWYAIKKDPEGLFLQDNIIAEFSVDEKGH
 MSATAKGRVRLLSNWEVCADMVGTFTDTEPAKFKMKYWGVAFLQRGNDDHWIIDTDYDTFALQYSCRL
 QNLDTGCADSYSFVSRDPNGLSPETRRLLVRQRQEELCLERQYRWIEHNGYCQSRPSRNSL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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: [BC031809](#), [AAH31809](#)

RefSeq Size: 804 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]