

## Product datasheet for **MC209304**

### Rbp4 (NM\_011255) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rbp4 (NM\_011255) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rbp4  
**Synonyms:** Rbp-4  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209304 representing NM\_011255  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGTGGGTGTGGGCGCTCGTGCTGCTGGCGGCTCTGGGAGGCGGCAGCGCCGAGCGCGACTGCAGGG  
 TGAGCAGCTTCCGAGTCAAGGAGAACTTCGACAAGGCTCGTTTCTCTGGGCTCTGGTATGCCATCGCCAA  
 AAAGGACCCCGAGGGTCTCTTTTGAAGACAACATCATCGCTGAGTTTTCTGTGGACGAGAAGGGTCAT  
 ATGAGCGCCACAGCCAAGGGACGAGTCCGTCTTCTGAGCAACTGGGAAGTGTGTGCAGACATGGTGGCA  
 CTTTCACAGACACTGAAGATCCTGCCAAGTTCAAGATGAAGTACTGGGGTGTAGCCTCCTTCTCCAGCG  
 AGGAAACGATGACCACTGGATCATCGACACGGACTACGACACCTTCGCTCTGCAGTACTCCTGCCGCTG  
 CAGAATCTGGATGGCACCTGTGCAGACAGCTACTCCTTTGTGTTTTCTCGTGACCCCAATGGCCTGAGCC  
 CAGAGACACGGAGGCTGGTGAAGCAGCGGCAGGAGGAGCTGTGCCTAGAGAGGCAGTACAGATGGATTGA  
 ACACAATGGTTACTGTCAAAGCAGGCCCTCCAGAAACAGTTT**GTAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_011255  
**Insert Size:** 606 bp  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<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>	<u><a href="#">NM_011255.3</a></u> , <u><a href="#">NP_035385.1</a></u>
<b>RefSeq Size:</b>	930 bp
<b>RefSeq ORF:</b>	606 bp
<b>Locus ID:</b>	19662
<b>UniProt ID:</b>	<u><a href="#">Q00724</a></u>
<b>Cytogenetics:</b>	19 32.75 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses a downstream translational start codon, compared to variant 1. The resulting isoform (2) is shorter at the N-terminus, compared to isoform 1.</p>