

## Product datasheet for **MC207070**

### **Rbp4 (NM\_001159487) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rbp4 (NM\_001159487) 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:** >MC207070 representing NM\_001159487  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGATCCTCTGGGCTGGAGAGTTGGCTCCACCGAGACCACCCTGAGCGGAGCTCGGAGCATAGGCGAC  
GTGGGACGGCAAGGCTGACGGAGGGGCCCGCGTTCAGGAGGCAGACTCCGGGTGAGATGGAGTG  
GGTGTGGGCGCTCGTGTCTGGCGGCTCTGGGAGGCGCAGCGCCGAGCGGACTGCAGGGTGGAGCAGC  
TTCCGAGTCAAGGAGAATTCGACAAGGCTCGTTTCTCTGGGCTCTGGTATGCCATCGCCAAAAGGACC  
CCGAGGGTCTCTTTTGAAGACAACATCATCGCTGAGTTTTCTGTGGACGAGAAGGGTCAATATGAGCGC  
CACAGCCAAGGGACGAGTCCGTCTTCTGAGCAACTGGGAAGTGTGTGCAGACATGGTGGCCTTTTCA  
GACTGAAGATCCTGCCAAGTTCAAGATGAAGTACTGGGGTGTAGCCTCCTTTCTCCAGCGAGGAAACG  
ATGACCACTGGATCATCGACACGGACTACGACACCTTCGCTCTGCAGTACTCCTGCCGCCTGCAGAACT  
GGATGGCACCTGTGCAGACAGCTACTCCTTTGTGTTTTCTCGTGACCCCAATGGCCTGAGCCAGAGACA  
CGGAGGCTGGTGAGGCAGCGGCAGGAGGAGCTGTGCCTAGAGAGGCAGTACAGATGGATTGAACACAATG  
GTTACTGTCAAAGCAGGCCCTCCAGAAACAGTTG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001159487  
**Insert Size:** 738 bp



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<b>OTI Disclaimer:</b>	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).
<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_001159487.1</a></u> , <u><a href="#">NP_001152959.1</a></u>
<b>RefSeq Size:</b>	1243 bp
<b>RefSeq ORF:</b>	738 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>	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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).