

## Product datasheet for MC209147

### Pcbp2 (NM\_011042) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Pcbp2 (NM\_011042) Mouse Untagged Clone  
 Tag: Tag Free  
 Symbol: Pcbp2  
 Synonyms: alphaCP-2; AW412548; Hnrpx  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >MC209147 representing NM\_011042  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGACACCGGTGTGATTGAAGGTGGATTAATGTCACTCTCACCATCAGGCTACTTATGCATGAAAGG  
 AAGTTGGCAGTATCATCGAAAGAAAGGAGAATCTGTTAAGAAGATGCGCGAGGAGAGTGGTGCACGTAT  
 CAACATCTCAGAAGGGAATTGCTCTGAGAGAATTACACTTTGGCTGGACCGACTAATGCCATCTTCAAA  
 GCCTTTGCTATGATCATTGACAACTGGAAGAGGACATAAGCAGCTCTATGACCAATAGTACAGCTGCCA  
 GTAGACCCCCGGTTACCTTACGGCTGGTGGTTCCTGCTAGTCAGTGTGGCTCTCTTATTGAAAAGGTGG  
 TTGCAAGATCAAGGAAATAAGAGAGAGTACAGGGGCTCAGGTCCAGGTGGCAGGGGATATGCTCCCCAAC  
 TCAACTGAGCGGGCAATCACTATTGCTGGCATTCCGCAGTCCATCATTGAGTGTGTCAAACAGATCTGCG  
 TGGTCATGTTGGAGTCCCCCGAAGGGCGTGACCATCCCGTACCGGCCAAGCCCTCCAGTTCTCCAGT  
 CATCTTTGCAGGTGGTCAGGACAGGTACAGCACAGGCAGCGACAGTGCAGCTTTCCCCACACCACCCCG  
 TCCATGTGCCTCAACCTGACCTGGAGGGACCCTCTAGAGGCCTATACCATTCAAGGACAGTATGCCA  
 TTCCACAGCCAGATTTGACCAAGCTGCACCAGTTGGCAATGCAACAGTCTCATTTTCCCATGACCCATGG  
 CAACACCGGATTCAGTGCAGTTTGGATGCATCTGCTCAAACACTTCTCATGAATCACCATTCCAAAT  
 GATTTGATTGGCTGCATAATCGGCGCTCAAGGCGCCAAAATCAATGAGATCCGTGATGCTGGGGCGC  
 AGATCAAATGCAAACCCAGTGAAGGATCTACTGATCGGCAGGTTACCATCACTGGATCTGCTGCCAG  
 CATTAGCTGGCTCAGTATCTAATCAATGTCCAGCTTCTCCTCGGAGACAGGTGGCATGGGGAGCAGCTAG

**ACGGT**ACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_011042



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<b>Insert Size:</b>	1050 bp
<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>	<a href="#">NM_011042.2</a> , <a href="#">NP_035172.2</a>
<b>RefSeq Size:</b>	2829 bp
<b>RefSeq ORF:</b>	1050 bp
<b>Locus ID:</b>	18521
<b>UniProt ID:</b>	<a href="#">Q61990</a>
<b>Cytogenetics:</b>	15 57.61 cM
<b>Gene Summary:</b>	<p>Single-stranded nucleic acid binding protein that binds preferentially to oligo dC. Major cellular poly(rC)-binding protein. Binds also poly(rU). Negatively regulates cellular antiviral responses mediated by MAVS signaling. It acts as an adapter between MAVS and the E3 ubiquitin ligase ITCH, therefore triggering MAVS ubiquitination and degradation (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1, resulting in a shorter protein (isoform 2), compared to isoform 1.</p>