

## Product datasheet for **MR205131**

### Cd2bp2 (NM\_027353) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cd2bp2 (NM\_027353) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Cd2bp2  
**Synonyms:** 1500011B02Rik; 2410024K20Rik; AW048183  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR205131 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCAAAGAGGAAAGTGACTTTTCAGGGTGTGGAGATGAGGATGGTGAAGATGAAATCAGTGTGCCCA  
 AAAAGAAGCTGGTGGACCCTGTGGCTGCAGCAGGTGGTCTGGGAGCCGCTTCAAAGGCAAGCACTCTTT  
 AGACAGTGATGAAGAGGATGATGATGAGGAAGGGTCCAGCAAATATGATATCCTGGCCTCAGAGGATGTA  
 GAAGGTCAGGAAGCAGCTACTCTCCCTAGTGAGGGCGGTGTGAGGATCACACCCTTCAACCTGCAGGAAG  
 AGATGGAGGAAGGCCACTTTGATGCTGATGGCAACTACTTCTGAACCAGGATGCCGAGATCCGAGACAG  
 CTGGCTGGACAACATTGACTGGGTGAGGATCAAGGAACGGCCCCCTGATAAGCACCAGGTTTCAGACTCG  
 GAGGAGGAAGACAGCCTGGGTGAGCTCCAATGAGCGCCCAAGCACTCCTGGAGGACTTTTGGAGTTGT  
 TGTGCCAAGAGAGACAGTGGCTGGGGCCCTTAGGCGGCTGGGGCCCGAGGAGGAGGCAAAGGGAGCAA  
 CAGCAAGGGGACTGGACGGCCCAATCCCCCAGCGGCTAGACCGGCTGTCTGGTTAGCTGACCAATG  
 GTGGCAGGAGCAACCTTGGTGTGTACCAGGAAACAAGGAACGGTTGGCTATGCGACTGAAGGGTTTGG  
 GGTGTCGGGCCAGGGATCCCATGACCCACACCTCCACCCTCCCTGGACATGTTTGTGAGGAAGTAGC  
 AGAGGGTGAAGTGAACCCCAACCCTACCCAAGAGAGGAGGAGTCAAGGAGATGAGCAGGAGATGGCCTGATG  
 GATGTGATGTGGAGTATAAATGGGAGAACACGGGGACGCCGAGCTGTATGGACCCTTACCAGTGCC  
 AGATGCAGACGTGGGTGAGTGAAGGTTACTTCCGGATGGTGTATTATTGTCGGAAGCTGGACCCTCCGGG  
 CGGCCAGTTCTACAACCTCAAGCGCATTGATTTTGGCTGTACACG

**ACGGT**ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205131 protein sequence  
 Red=Cloning site Green=Tags(s)

MPKRKVTFGVGDDEDEGEISVPKKKLVDPVAAAGGPGSRFKGKHSLSDEEDDDEEGSSKYDILASEDV  
 EGQEAATLPSEGGVRIITPFNLQEEMEEGHFDADGNYFLNQDAQIRDSWLDNIDWVRIKERPPDKHQVSDS  
 EEEDSLGQTPMSAQUALLEGLLELLLPRETVAGALRRLGARGGGKGSNSKGTGRPNSPQRLDRLSGLADQM  
 VARGNLGVYQETRERLAMRLKGLGCRAQGSHPDTPPPSLDMFAEEVAEGELETPPTQREEAESAGDGLM  
 DVMWEYKVENTGDAELYPFTSAQMQTWVSEGYFPDGVYCRKLDPPGGQFYNSKRIDFELYT

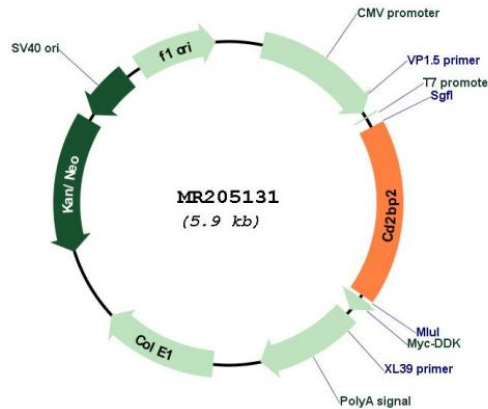
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_027353

**ORF Size:** 1029 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_027353.4</a>
<b>RefSeq Size:</b>	3361 bp
<b>RefSeq ORF:</b>	1029 bp
<b>Locus ID:</b>	70233
<b>UniProt ID:</b>	<a href="#">Q9CWK3</a>
<b>Cytogenetics:</b>	7 F3
<b>MW:</b>	37.7 kDa
<b>Gene Summary:</b>	Involved in pre-mRNA splicing as component of the U5 snRNP complex that is involved in spliceosome assembly.[UniProtKB/Swiss-Prot Function]