

## Product datasheet for **RR205957**

### Cd46 (NM\_019190) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cd46 (NM_019190) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd46
Synonyms:	Mcp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR205957 representing NM_019190 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACAGCGCGCCTCTCAGCCAGACCAACGCATCCCCGTCGAGAAGGAAGACTACACTTTCTTCT  
CCCTGGGCATTTACGCTGAGGCCCTTCTGTTTCTGCTGTCTAGTTTATCTGATGCCTGTGAACCACCACC  
ACCATTTGAAGCTATGGAACCAAGGATAAGCCTAAACCCATTATGCGATTGGAGAGATAATAGAATAT  
ACGTGTAAGGATACCTATATCTGTCTCCATACCCAATGACTGCTATCTGTCAGCCAAATCACACAT  
GGTCCCTATTTAGATCATGGTTGTATTAAGTTCAATGTACTATGTTACAGGACCCTTCGTTTGGCAA  
AGTACACTACATAGATGGTAGATTTTCATGGGGTCTCGAGTTAAATATACTTGTATGAATGGTTATTAC  
ATGGTTGGTATGTGAGTTCTACAGTGTGAGCTTAATGGCAACGGTATGATTCTGGAATGGCCATCCCC  
CAAGTTGTAAGGCTATTGTTTACCACCTCCAAAAATAAAAAATGGAACACACACCTTTACTGATAT  
AAAAGTATTCAAATACCATGAAGCAGTAATTTACAGTTGTGATCCTAACCCAGGGCCAGATAAGTTTTC  
CTTGTGGACCGAGCATGCTATTCTGTGCTGGCCATAACACCTGGAGTAGCGACCCTCCGGAGTGTAAAG  
TGGTAAATGTCCATTTCCAGTGTACAAAATGGAAGACAGATATCAAGAACTGAAAAAATTTTCTTA  
CCAAGCACTAGTGTGTTTCAGTGTGGAGGGATTTACATGGAGGGCAGTAGCATGGTGGTCTGTGGT  
GCTAAGAGCTCTTGGAGCCCTATCCCACAATGTCTTAAAGTCTAAGCCTATTCTACCAAGCCTC  
CAGTTTACAGTGAATCAGGATATCTAGTCCCGTGAAGGAATATTTGGCCAAGAATTCGATGCATGGAT  
CATTGCTTTGATTGTTACTTCAAGTGTGGAGTATTGTAATTTGTCTCATCACTCAGGTGTTCT  
GAGTACAGGAAGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >RR205957 representing NM\_019190  
 Red=Cloning site Green=Tags(s)

MTAAPLTPDPTHPRRRRKSYPFFSLGIYAEALLFLLSSLSDACEPPPPFEAMELKDKPKPHYAIGEIEIY  
 TCKKGYLYLSPYPMTAICQPNHTWVPI SDHGCIKVQCTMLQDPSFGKVHYIDGRFSWGARYKYTCMNGYY  
 MVGMSVLQCELNGNGDAFWNGHPPSCKKVVYCLPPPKIKNGTHTFTDIKVFYKHEAVIYSCDPNPGDPKFS  
 LVGPSMLFCAGHNTWSSDPPECKVVKCFPVLQNGRQISRTEKKFSYQALVLFQCLEGFYMEGSSMVVCG  
 AKSSWEPSIPQCLKGPKPHSTKPPVYSESGYSPREGIFGQEFDAWIIALIVVTSVVGIVICLIILRCS  
 EYRKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_019190

**ORF Size:** 1065 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** 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).

**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:** [NM\\_019190.1](#), [NP\\_062063.1](#)

**RefSeq Size:** 1192 bp

**RefSeq ORF:** 1068 bp

**Locus ID:** 29333

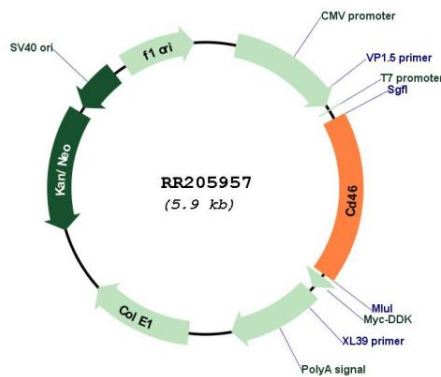
**UniProt ID:** [Q9Z0M4](#)

**Cytogenetics:** 13q27

**MW:** 39.8 kDa

**Gene Summary:** may be involved in fertilization or reproduction; human homolog acts as an inhibitor of plasma membrane complement [RGD, Feb 2006]

### Product images:



Circular map for RR205957