

Product datasheet for **RR206055**

Cd68 (NM_001031638) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd68 (NM_001031638) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cd68
Synonyms: MGC114377
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR206055 representing NM_001031638
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGTTCCCTGTGTGCTGACCTTGCTGGTACTGCTTGTAGCCCAAGGAACAGGGAAAGACTGTCCTC
ACAAAAAGGCTGCCACTTCTGCCATCCTTCACGGAGACACCTACAACCACCGGAAGCACAGCAAGCCC
TACGACCACCCACAGGCCACCACAACCAGCCACAGGCCACCACAACCAGCCACAGGCCACCACCACC
AGCCACAGGCCACCACCACCAGCCACAGGCCACCACCACCAGCCACAGGCCACCACCACCAGTCATG
GGAATGCCACAGTTTCTCCACCACAAACAGTCCAGGCTTCTCCACTGTTGGCCCTCACCTGGACCACC
TCCGCCCTCACCAAGTCCTAGTCCAAGCTCTACTGGGGCTCTTGAAACTACACATGGACTAATGGTTCC
CAGCCATGTGTTCACTCCAAGCCAAATTCAAATTCGCATCTTGTACCTGACCCAGGGTGGAAAAAGG
CCTGGGGCTCTCTGTATTGAACCCGAACAAACCAAGGTCCAGGGGGGCTGTGACAGTGCCCATCCCCA
CTTGGCTCTCATTCCCTTACGGACAGCTTACCTTTGGATTCAAACAGGACCGACATCAGAGCCACAGT
ACAGTCTACCTTAACTACATGGCAGTGAATAACAATGTGTCTTCCACAAGCAGCACAGTGGACATTCT
CAGCGCAGAATTCATCTCTTCAAGAGCTCCAAGCTCCCCTGGGCCAAAGCTTCTGTTGCGGAAATACAAG
CATAGTTCTTTCTCCAGCAATTCACCTGGACCTGCTCTCCCTGAGGCTGCAGGCTGCTCAGTTGCCGGAC
AAGGGACACTTCGGGCCATGCTTCTTTCGCCAGTGACCAATCTCTTGTGCTCCTCATCATTGGCC
TGGTCTCTGGGCTCCTCACCTGGTGTCTATTGCCTTCTGCGTTACCCGGAGACGACAATCAACCTA
CCAGCCCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206055 representing NM_001031638
Red=Cloning site Green=Tags(s)

MRFPVCLTLLVLLVAQGTGKDCPHKKAATLLPSFTETPTTTGASTPTTTHRPTTTSHRPTTTSHRPTTTSHRPTTTSHRPTTTSHRPTTTSHG
 SHGNATVSPTTNSPGFSTVGPHPGPPPPSPSPSSTGALGNYTWTNGS
 QPCVQLAQIQIRILYL TQGGKAWGLSVLNPNTKVKVQGGCDSAPHLALSFYPGQLTFGFKQDRHQSHS
 TVYLNMAVEYNVSFPQAAQWTFSAQNSSLQELQAPLGQSFCCNGTIVLSPAHLDLLSLRLQAAQLPD
 KGHFGPCFSCASDQSLLLPLIIGLVLLGLLTLVLIAFCVTRRRRQSTYQPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_001031638

ORF Size: 990 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_001031638.1](#), [NP_001026808.1](#)

RefSeq Size: 1224 bp

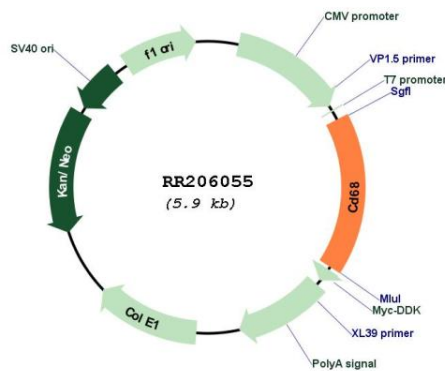
RefSeq ORF: 993 bp

Locus ID: 287435

Cytogenetics: 10q24

MW: 35.4 kDa

Product images:



Circular map for RR206055