

## Product datasheet for **RR207392**

### **Cd14 (NM\_021744) Rat Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
Product Name: Cd14 (NM\_021744) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Cd14  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
ORF Nucleotide Sequence: >RR207392 representing NM\_021744  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGCTTATGCTCGGCTTGTGCTGTTGCCTTTGACACTGGTGCATGCCTCTCCCGCCACACCAGAAC  
CCTGTGAGCTGGACCAGGACGAGGAAAGTGTCCGCTGCTACTGCAACTTCTCAGATCCGCAGCCCAATTG  
GTCCAGCGCTTTTCTATGCGCGGGGGCGGAAGACGTGGAGTTCACGGCGGGGTGCGAGCCTGGAGTAC  
CTTCTAAAGCGTGTGGACACGGAAGCAAATCTGGGACAGTACACTGATATTATCAGGTCTCTGCCCTTGA  
AGAGGCTTACTGTGCGGTCCGCGGGTTCCTACTCAGATTCTATTCGGAACCCCTGCGTGTGCTCGGATA  
TTCTGGCCTCCGGAACTGACTTTGAAAACCTCGAGGTAACCGCACCGCGCTTTCGCGGCTTCTGGAT  
GCCACCGACCCGATCTCAACACCTTGAGCCTCCGCAACGTGTCGTGGGCAACAACGGATACCTGGCTCG  
CAGAACTGCAGCAGTGGCTAAAGCCTGGACTCAAGGTAAGTATTGCCAAGCACACTCACTCAACTT  
TTCTTGAAAACAGGTGCGGCTTCCCTGCCCTTGCCACCTTAGATCTGTCTGACAACCCCTGAGTTGGC  
GAGAAAGGACTGATCTCGGCCCTGTCCGCACAAATCCCGACCCTCCAAGTTTAGCGCTGCGCAACG  
CGGGGATGGAGACGACCAGCGCGTGTGCTCTGCGCTGGCCGAGCAAGAGTGCCACTGCAGGCACTGGA  
TCTCAGTACAATTCAGTGGGATACTGCTGGCACTCCGAGCTGTGACTGGCCAGTCACTAACTCG  
CTCAATCTATCTTCACTGGGCTGGAGCACGTACCTAAAGGGCTGCCAGCAAGCTTAGCGTGTGATC  
TCAGTTACAACAGGCTGGATAGGAAACCTAGGCCAGAGGAGCTGCTGAAGTGGGAGCCTGTCACTTAC  
AGGAAATCCCTTTTGCCTCTGAATCCAGTCCGAGGCGTATAACTCTGGCGTAGTCATAGCCACAGCT  
CTTACCCCGGATCAGCGGGCTTGTGAGAACTTTGGCTTTGCTCCTAGGACATCGCCTCTTTGTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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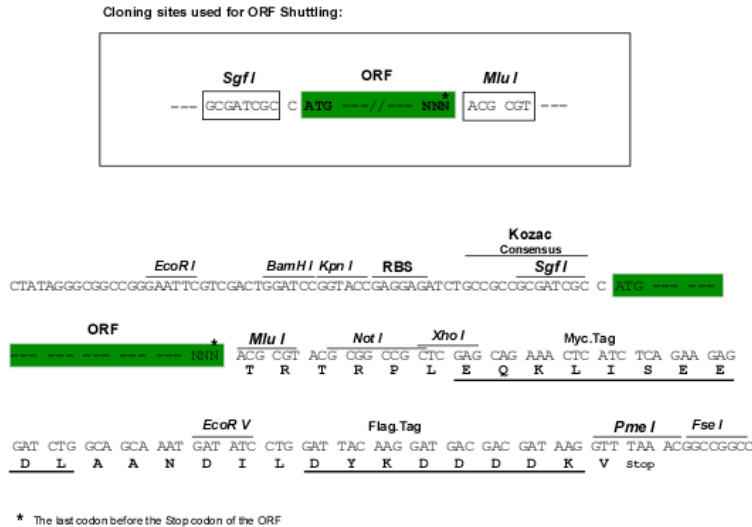
**Protein Sequence:** >RR207392 representing NM\_021744  
Red=Cloning site Green=Tags(s)

MKLMGLLLLLPLTLVHASPATPEPCELDQDEESVRCYCNFSDPQPNWSSAFLCAGAEDVEFYGGGRSLEY  
 LLKRVDTKANLQYTDIIRSLPLKRLTVRSARVPTQILFGTLRVLGYSGLRELTLNLEVTGTALSPLLD  
 ATGPDNLNLSLRNVSWATTDTWLAELQQWLKPKGLKVLZIAQAHSLNFSCKQVGVFPALATLDLSDNPELG  
 EKGLISALCPHKFPTLQVLALRNAGMETTSGVCSALAAARVPLQALDLSHNSLRDAGTPSCDWPSQLNS  
 LNLSTFTGLEHVPKGLPAKLSVLDL SYNRLDRKPRPEELPEVGSLSLTGNPFLHSESEQSEAYNSGVVIATA  
 LSPGSAGLSGTLALLLGHRLFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_021744

**ORF Size:** 1116 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\\_021744.1](#), [NP\\_068512.1](#)

**RefSeq Size:** 1591 bp

**RefSeq ORF:** 1119 bp

**Locus ID:** 60350

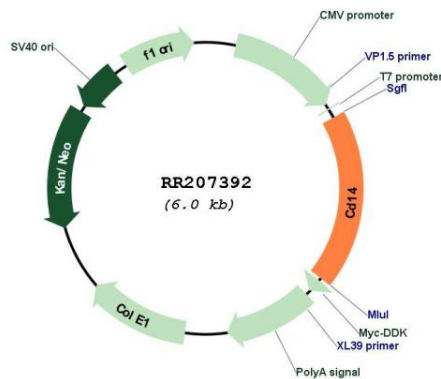
**UniProt ID:** [Q63691](#)

**Cytogenetics:** 18p11

**MW:** 40.1 kDa

**Gene Summary:** component of the lipopolysaccharide receptor complex; mediates LPS-induced neuroinflammation and inflammatory response [RGD, Feb 2006]

### Product images:



Circular map for RR207392