

Product datasheet for MR205625

Cd14 (NM_009841) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd14 (NM_009841) Mouse 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:	>MR205625 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCGTGTGCTTGGCTTGTGCTGTTGCTTCTGGTGACGCCTCTCCGCCCCACCAGAGCCCTGCC
AGCTAGACGAGGAAAGTTGTTCTGCAACTTCTCAGATCCGAAGCCAGATTGGTCCAGCGCTTCAATTG
TTTGGGGCGGCAGATGTGGAATTGTACGGCGCGGCCGAGCCCTGGAATACCTTCTAAAGCGTGTGGAC
ACGGAAGCAGATCTGGGCAGTTCAGTGATATTATCAAGTCTCTGTCTTAAAGCGGCTTACGGTCCGGG
CCGCGCGGATTCCTAGTCGGATTCTATTTCGGAGCCCTGCGTGTGCTCGGGATTTCCGGCCTCCAGGA
ACTGACTCTTGAAAAATCTCGAGGTAACCGGCACCGCGCCGCCACCGCTTCTGGAAGCCACCGGACCCGATCTC
AACATCTTGAACCTCCGCAACGTGTCGTGGCAACAAGGGATGCCTGGCTCGCAGAACTGCAGCAGTGGC
TAAAGCCTGGACTCAAGTACTGAGATTGCCAAGCACACTCACTCAACTTTTCTGCAACAGGTCCG
CGTCTTCCCTGCCCTCTCCACCTTAGACCTGTCTGACAACTCTGAATTGGGCGAGAGAGGACTGATCTCA
GCCCTCTGTCCCCTCAAGTTCGGACCCCTCAAGTTTTAGCGCTGCGTAACGCGGGGATGGAGACGCCCA
GCGGCGTGTGCTCTGCGCTGGCCGAGCAAGGGTACAGCTGCAAGGACTAGACCTTAGTCACAATCACT
GCGGGATGCTGCAGGCGCTCCGAGTTGTGACTGGCCAGTCAGCTAAACTCGCTCAATCTGTCTTCACT
GGCTGAAGCAGGTACCTAAAGGCTGCCAGCCAAGCTCAGCGTGTGGATCTCAGTTACAACAGGCTGG
ATAGGAACCTAGCCAGATGAGCTGCCCAAGTGGGAACTGTCACTTAAAGGAAATCCCTTTTTGGA
CTCTGAATCCCCTCGGAGAAGTTAACTCTGGCGTAGTCACCGCCGGAGCTCCATCATCCAAGCAGTG
GCCTTGTGAGAACTCTGGCTTTGCTCCTAGGAGATCGCCTCTTTGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



[View online »](#)

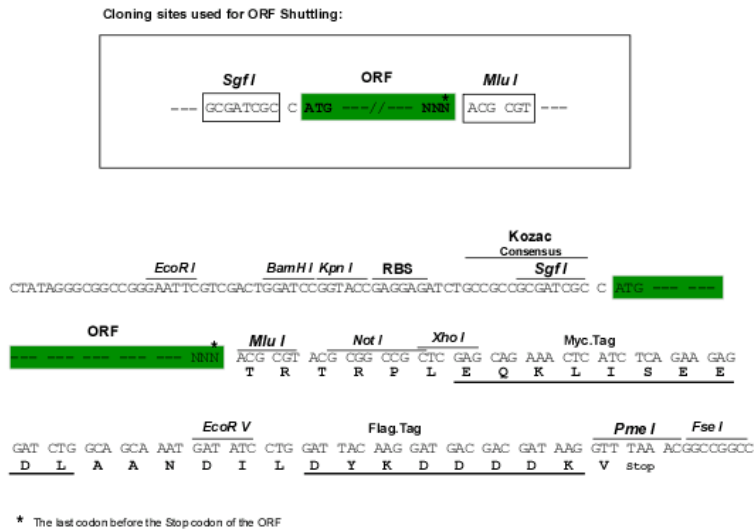
Protein Sequence: >MR205625 protein sequence
Red=Cloning site Green=Tags(s)

MERVLGLLLLLLVHASPAPPEPCELDEESCSCNFSDPKPDWSSAFNCLGAADVLYGGRSLEYLLKRVD
 TEADLGQFTDIKSLSLKRLTVRAARIPSRILFGALRVLGISGLQELTLENLEVTGTAPPPLEATGPD
 NILNLRNVSWATRDRAWLAELQQWLKPKLVLSIAQAHSNLFSCQVRFVFPALSTLDLSDNPPELGERGLIS
 ALCLPKFPTLQVLALRNAGMETPSGVCSALAAARVQLQGLDLSHNSLRDAAGAPSCDWPSQLNSLNLST
 GLKQVPKGLPAKLSVLDLSYNRLDRNPSPELDPQVGNLSLKGNPFLDSESHSEKFNSGVVTAGAPSSQAV
 ALSGTLALLLGDRLFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009841

ORF Size: 1101 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_009841.2](#)

RefSeq Size: 1681 bp

RefSeq ORF: 1101 bp

Locus ID: 12475

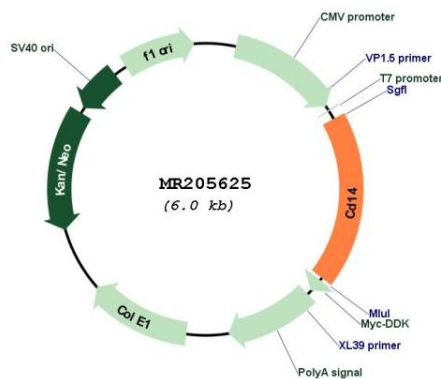
UniProt ID: [P10810](#)

Cytogenetics: 18 19.46 cM

MW: 39.2 kDa

Gene Summary: This gene encodes a protein that plays an important role in the innate immune response and is expressed in monocyte/macrophage cells. This gene product acts as a co-receptor that binds several microbial and fungal molecules, including lipopolysaccharides (LPS). This proteins LPS-binding activity is enhanced by the LPS binding protein (LBP) to allow binding to the TLR4-MD-2 co-receptor complex. The product of this gene is found in two forms, either as a soluble protein or attached to the cell surface by a glycosylphosphatidylinositol anchor. [provided by RefSeq, Jul 2014]

Product images:



Circular map for MR205625