

Product datasheet for **MC205896**

Cd14 (NM_009841) Mouse Untagged Clone

Product data:

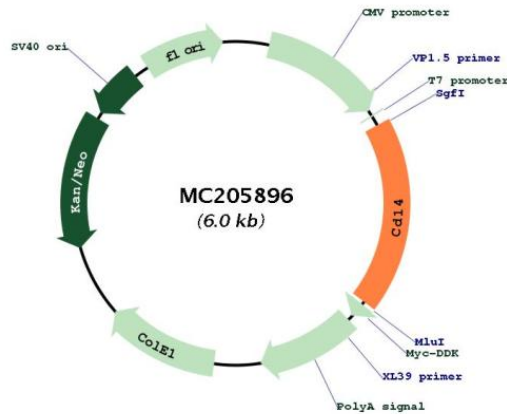
Product Type:	Expression Plasmids
Product Name:	Cd14 (NM_009841) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cd14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC205896 representing NM_009841. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGCGTGTGCTTGGCTTGTGCTGTTGCTTCTGGTGCACGCCTCTCCGCCCCACCAGAGCCCTGC
GAGCTAGACGAGGAAAGTTGTTCTGCAACTTCTCAGATCCGAAGCCAGATTGGTCCAGCGCTTTCAAT
TGTTTGGGGCGGCAGATGTGGAATTGTACGGCGGCCGCGCAGCCTGGAATACCTTCTAAAGCGTGTG
GACACGGAAGCAGATCTGGGCAGTTCAGTATATTCAAGTCTCTGTCCTTAAAGCGGCTTACGGTG
CGGGCCGCGCGGATTCTAGTCGATTCTATTCGGAGCCCTGCGTGTGCTCGGGATTTCCGGCCTCCAG
GAATGACTCTTGAAAATCTCGAGTAACCGGCACCGCGCCACCCTTCTGGAAGCCACCGGACCC
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CTGATCTCAGCCCTCTGTCCCCTCAAGTCCCAGCCCTCCAAGTTTTAGCGCTGCGTAACGCGGGGATG
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TACAACAGGCTGGATAGGAACCCTAGCCAGATGAGCTGCCCAAGTGGGGAACCTGCTCACTTAAAGGA
AATCCCTTTTGGACTCTGAATCCCACTCGGAGAAGTTTAACTCTGGCGTAGTCACCGCCGAGCTCCA
TCATCCCAAGCAGTGGCCTTGTGAGAACTCTGGCTTGTCTCTAGGAGATCGCCTCTTTGTTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCG
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_009841

Insert Size: 1101 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_009841.4](#)

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]