

## Product datasheet for **SC311066**

### CD14 (NM\_001040021) Human Untagged Clone

#### Product data:

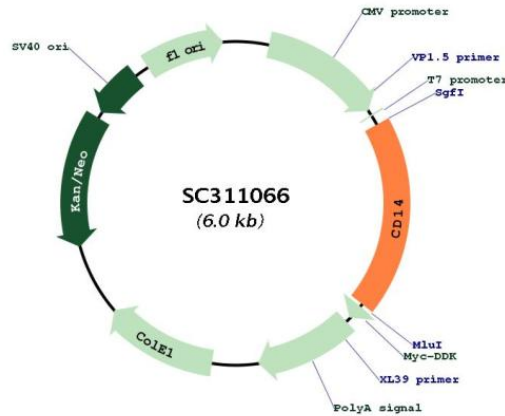
Product Type:	Expression Plasmids
Product Name:	CD14 (NM_001040021) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC311066 representing NM_001040021. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGCGCGCTCCTGCTTGTGCTGCTGCTGCTGCCGCTGGTGCACGTCTCTGCGACCAGCCAGAA
CCTTGTGAGCTGGACGATGAAGATTTCCGCTGCGTCTGCAACTTCTCCGAACCTCAGCCCGACTGGTCC
GAAGCCTTCCAGTGTGTGCTGTCAGTAGAGGTGGAGATCCATGCCGGCGGTCTCAACCTAGAGCCGTTT
CTAAAGCGCGTCGATGCCGACGCCGACAGGTTCTGCTCAGTACTGGTAGGCGCCCTGCGTGTGCTAGCGTAC
CGGCTCACAGTGGGAGCCGACAGGTTCTGCTCAGTACTGGTAGGCGCCCTGCGTGTGCTAGCGTAC
TCCCGCCTCAAGGAAGTACGCTCGAGGACCTAAAGATAACCGGCACCATGCCTCCGCTGCCTCTGGAA
GCCACAGGACTTGCACTTCCAGCTTGGCCTACGCAACGTGTCGTGGGCGACAGGGCGTTCTTGGCTC
GCCGAGCTGCAGCAGTGGCTCAAGCCAGGCCTCAAGTACTGAGCATTGCCCAAGCACACTCGCCTGCC
TTTTCTGCGAACAGGTTTCGCGCCTTCCCGGCCCTTACCAGCCTAGACCTGTCTGACAATCCTGGACTG
GGCGAACGCGGACTGATGGCGGCTCTGTGCCCAAGTTCCCGGCCATCCAGAATCTAGCGCTGCGC
AACACAGGAATGGAGACGCCACAGGCGTGTGCCCGCACTGGCGGCGCAGGTGTGCAGCCCCACAGC
CTAGACCTCAGCCACAACCTCGTGGCGCCACCGTAAACCCTAGCGCTCCGAGATGCATGTGGTCCAGC
GCCCTGAACCTCCCTCAATCTGTCGTTTCGCTGGGCTGGAACAGGTGCCTAAAGGACTGCCAGCCAAGCTC
AGAGTGTGATCTCAGCTGCAACAGACTGAACAGGGCGCCGAGCCTGACGAGTGCCTCCGAGGTGGAT
AACCTGACACTGGACGGGAATCCCTTCCGCTGGAAGTGCCTCCCGCACGAGGGCTCAATGAAC
TCCGGCGTGGTCCAGCCTGTGCAGTTCGACCCTGTCGGTGGGGTGTGGGAACCCCTGGTGTGCTC
CAAGGGGCCCGGGGCTTTGCTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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**Plasmid Map:**


**ACCN:** NM\_001040021

**Insert Size:** 1128 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_001040021.2](#)

**RefSeq Size:** 1561 bp

**RefSeq ORF:** 1128 bp

**Locus ID:** 929

<b>UniProt ID:</b>	<u>P08571</u>
<b>Cytogenetics:</b>	5q31.3
<b>Protein Families:</b>	Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transmembrane
<b>Protein Pathways:</b>	Hematopoietic cell lineage, MAPK signaling pathway, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton, Toll-like receptor signaling pathway
<b>MW:</b>	40.1 kDa
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a surface antigen that is preferentially expressed on monocytes/macrophages. It cooperates with other proteins to mediate the innate immune response to bacterial lipopolysaccharide, and to viruses. This gene has been identified as a target candidate in the treatment of SARS-CoV-2-infected patients to potentially lessen or inhibit a severe inflammatory response. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Aug 2020]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1-4 encode the same protein.</p>