

# Product datasheet for RC203819L1

## CD14 (NM\_000591) Human Tagged Lenti ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	CD14 (NM_000591) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	CD14
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203819).
<b>Restriction Sites:</b>	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf I         ORF         Mlu I            GCG ATC GC         ATG // NNÑ         ACG CGT
	Kozak Consensus
	EcoR I         BamH I         RBS         Sgf I         ORF           CTATAGGGCGGCGGGGAATTCGTCGACTGGATCCGGTACCGGAGATCTGCCGCCGCGGGAATCGC C         ATG
	<u>Mlu I</u> <u>Not I _ Xho I</u> Myc.Tag

 $\frac{1}{1}$ 

GAT CTG GCA GCA AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TAA ACGGCCGGCC D L A A N D I L D Y K D D D K V Stop

\* The last codon before the Stop codon of the ORF.

ACCN: ORF Size: NM\_000591 1125 bp



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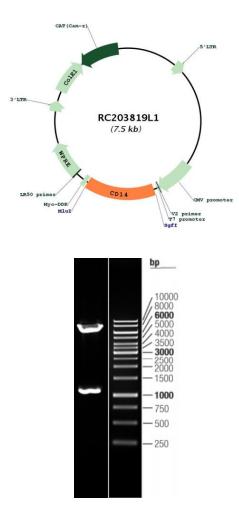
OTI Disclaimer:Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coil are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA and be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.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 to use. More infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression variast is recommended prior to use. More infoOTI Annotation:1. Centrifuge at 5,000xg for Smin. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the ube and incubate for 10 minutes at room temperature. 4. Briefly ortex the tube and incubate for 10 minutes at room temperature. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of thipping when store at -20°C.RefSeqNM 000591.2RefSeq ORF:128 bpLocus ID:929UniProt ID:P08571Cytogenetics:5,31.3Domains:Cayl 3,3Domains:Cayl 3,3Domains:Cayl 3,3Domains:Cayl 3,3Protein Families:	CD14 (NM_000591) Human Tagged Lenti ORF Clone – RC203819L1	
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Regulation of actin cytoskeleton, Toll-like receptor signaling pathway	Protein Families:	
<b>MW:</b> 40.08 kDa	Protein Pathways:	
	MW:	40.08 kDa

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Gene Summary: 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]

# **Product images:**



Circular map for RC203819L1

Double digestion of RC203819L1 using Sgfl and Mlul

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