

Product datasheet for RC218181L3

OriGene Technologies, Inc.

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CD14 (NM_001040021) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CD14 (NM_001040021) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: CD14

Mammalian Cell Puromycin

Selection: Vector:

pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide

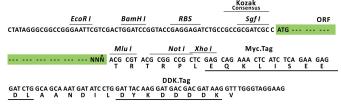
The ORF insert of this clone is exactly the same as(RC218181).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001040021

ORF Size: 1125 bp



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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: <u>NM 001040021.1</u>

RefSeq Size:1561 bpRefSeq ORF:1128 bp

Locus ID: 929
UniProt ID: P08571

Cytogenetics: 5q31.3

Protein Families: Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS,

Transmembrane

Protein Pathways: Hematopoietic cell lineage, MAPK signaling pathway, Pathogenic Escherichia coli infection,

Regulation of actin cytoskeleton, Toll-like receptor signaling pathway

MW: 40.1 kDa

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]