

Product datasheet for RC204691L3

OriGene Technologies, Inc.

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Macrophage Inflammatory Protein 3 alpha (CCL20) (NM_004591) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Macrophage Inflammatory Protein 3 alpha (CCL20) (NM_004591) Human Tagged Lenti ORF **Product Name:**

Clone

Tag: Myc-DDK

Symbol: Macrophage Inflammatory Protein 3 alpha

Synonyms: CKb4; Exodus; LARC; MIP-3-alpha; MIP-3a; MIP3A; SCYA20; ST38

Mammalian Cell

Selection:

Puromycin

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

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

ORF Nucleotide

Sequence:

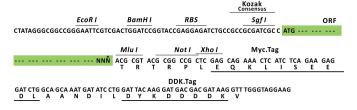
The ORF insert of this clone is exactly the same as(RC204691).

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM 004591





Macrophage Inflammatory Protein 3 alpha (CCL20) (NM_004591) Human Tagged Lenti ORF Clone - RC204691L3

ORF Size: 285 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: <u>NM 004591.1</u>

 RefSeq Size:
 851 bp

 RefSeq ORF:
 291 bp

 Locus ID:
 6364

 UniProt ID:
 P78556

Cytogenetics: 2q36.3

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Chemokine signaling pathway, Cytokine-cytokine receptor interaction

MW: 10.7 kDa

Gene Summary: This antimicrobial gene belongs to the subfamily of small cytokine CC genes. Cytokines are a

family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The protein encoded by this gene displays chemotactic activity for lymphocytes and can repress proliferation of myeloid progenitors. Two transcript variants encoding different isoforms have been found for

this gene. [provided by RefSeq, Sep 2014]