

## Product datasheet for RC206523L3

## OriGene Technologies, Inc.

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## Macrophage Inflammatory Protein 3 beta (CCL19) (NM\_006274) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: Macrophage Inflammatory Protein 3 beta (CCL19) (NM\_006274) Human Tagged Lenti ORF

Clone

Tag: Myc-DDK

Symbol: Macrophage Inflammatory Protein 3 beta

Synonyms: CKb11; ELC; MIP-3b; MIP3B; SCYA19

Mammalian Cell

Selection:

Puromycin

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

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

**ORF Nucleotide** 

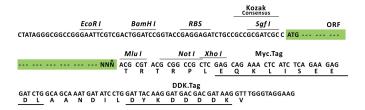
The ORF insert of this clone is exactly the same as(RC206523).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_006274





## Macrophage Inflammatory Protein 3 beta (CCL19) (NM\_006274) Human Tagged Lenti ORF Clone – RC206523L3

ORF Size: 294 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 006274.2</u>

 RefSeq Size:
 684 bp

 RefSeq ORF:
 297 bp

 Locus ID:
 6363

 UniProt ID:
 099731

**Cytogenetics:** 9p13.3

**Protein Families:** Druggable Genome, Secreted Protein

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

**MW:** 11 kDa

**Gene Summary:** This antimicrobial gene is one of several CC cytokine genes clustered on the p-arm of

chromosome 9. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene may play a role in normal lymphocyte

recirculation and homing. It also plays an important role in trafficking of T cells in thymus, and in T cell and B cell migration to secondary lymphoid organs. It specifically binds to

chemokine receptor CCR7. [provided by RefSeq, Sep 2014]