

## Product datasheet for KN204691RB

#### OriGene Technologies, Inc.

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## Macrophage Inflammatory Protein 3 alpha (CCL20) Human Gene Knockout Kit (CRISPR)

**Product data:** 

**Product Type:** Knockout Kits (CRISPR)

**Format:** 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

**Donor DNA:** RFP-BSD

Symbol: Macrophage Inflammatory Protein 3 alpha

**Locus ID:** 6364

Components: KN204691G1, Macrophage Inflammatory Protein 3 alpha gRNA vector 1 in pCas-Guide CRISPR

vector (GE100002)

KN204691G2, Macrophage Inflammatory Protein 3 alpha gRNA vector 2 in pCas-Guide CRISPR

vector (GE100002)

KN204691RBD, donor DNA containing left and right homologous arms and RFP-BSD

functional cassette.

**GE100003**, scramble sequence in pCas-Guide vector

**Disclaimer:** These products are manufactured and supplied by OriGene under license from ERS. The kit is

designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the

experimental process.

**RefSeq:** NM 001130046, NM 004591

UniProt ID: P78556

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

**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

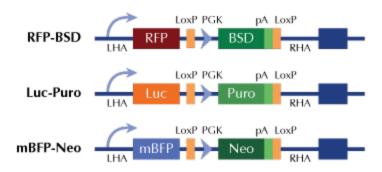
this gene. [provided by RefSeq, Sep 2014]





# **Product images:**

### Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter