

Product datasheet for KN302782BN

Ccl2 Mouse Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo

Ccl2 Symbol: 20296 Locus ID:

KN302782G1, Ccl2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN302782G2, Ccl2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN302782BND, donor DNA containing left and right homologous arms and mBFP-Neo

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 011333

UniProt ID: P10148

Synonyms: Al323594; HC11; JE; MCAF; MCP-1; MCP1; Scya2; Sigje; SMC-CF

Summary: This gene is one of several cytokine genes clustered on chromosome 11. Chemokines are a

> superfamily of secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of N-terminal cysteine residues of the mature peptide. This chemokine is a member of the CC subfamily which is characterized by two adjacent cysteine residues. This cytokine displays chemotactic activity for monocytes and memory T cells but not for neutrophils. The human ortholog has been implicated in the pathogenesis of diseases characterized by monocytic infiltrates, such as psoriasis, rheumatoid arthritis, and atherosclerosis. [provided by RefSeq, Sep 2015]



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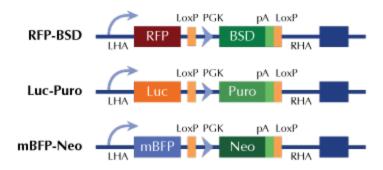
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Product images:

Donor Vector Edited Chromosome



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