

Product datasheet for KN207722BN

CCR6 Human 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

CCR6 Symbol: Locus ID: 1235

KN207722G1, CCR6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN207722G2, CCR6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN207722BND, 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.

NM 004367, NM 031409 RefSeq:

UniProt ID: P51684

Synonyms: BN-1; C-C CKR-6; CC-CKR-6; CCR-6; CD196; CKR-L3; CKRL3; CMKBR6; DCR2; DRY6; GPR29;

GPRCY4: STRL22

Summary: This gene encodes a member of the beta chemokine receptor family, which is predicted to be

a seven transmembrane protein similar to G protein-coupled receptors. The gene is

preferentially expressed by immature dendritic cells and memory T cells. The ligand of this receptor is macrophage inflammatory protein 3 alpha (MIP-3 alpha). This receptor has been shown to be important for B-lineage maturation and antigen-driven B-cell differentiation, and it may regulate the migration and recruitment of dentritic and T cells during inflammatory and immunological responses. Alternatively spliced transcript variants that encode the same

protein have been described for this gene. [provided by RefSeq, Jul 2008]



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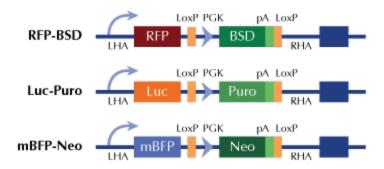
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Product images:

Donor Vector Edited Chromosome



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