

Product datasheet for **KN207722**

CCR6 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	CCR6
Locus ID:	1235
Components:	<p>KN207722G1, CCR6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGCTGAAATTCATTGATTCC</p> <p>KN207722G2, CCR6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TTTTGGCAAGGGGTATAATT</p> <p>KN207722D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; Left arm sequence in blue; GFP-puro in green; Right arm in violet

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CTGACATATA TTGTGAACGA TTTAAAGCCC GGGACTATGA ATTATACATT TTCTATGCGC TTTCACTT
CTATAGATTT TGTTCAAGTA AATCTTGTG AATGTTTTTA AATTTTTCGT AAAGATTTTT GTGCAGATCA
AACTTGTGG ATTTCTGAGA GCACCTTATT TAACCAATAG ATCAAGGGTT GGCAAATTAT AGCCTCTAGC
CAACGGACCC CGGCGAGGCC TGTTCAAGTA TGTAATTGTA GATGCTTCA AGCTCCAAAG GCAGATTTGA
GGAGCTGTGA CAGAGACCAT ATGGCCTGAA AAGCCCTAAA ATATTTACTA TCTGGCCCTT TACAGAAAGA
GGTTGCTGAT GCCTATTCTC AATGAATATT TGTATGTAAT ATAGTGTGCT GTGCACTCTG TTCACACGAG
ATGGAATGCT GGTAACCTAA CTGTCTGGCT CTCCAGGAAT ACCTGTGTTA ACTGTAGTGC ATTTTGCCCT
CTTTCCTTCT TAGAGTCACC TCTACTTCC TGCTACCGCT GCCTGTGAGC TGAAGGGGCT GAACCATACA
CTCCTTTTTT TACAACCAGC TTGCATTTTT TCTGCCACA GTGTCAGTCA ATACTTCATA TTAICTAGTT
GATTCTGAGA TGTTACTGTG CTCCTTGAG GAGGTCAGGC AGTTCTCCAG GCTATTTGTA CCGATTGCCT
ACTCCTTGAT CTGTGTCTTT GGCCTCCTGG GGAATATTCT GGTGGTGATC ACCTTTGCTT TTTATAAGAA
GGCCAGGTCT ATGACAGACG TCTATCTCTT GAACATGGCC ATTGCAGACA TCCTCTTTGT TCTTACTCTC
CCATTCTGGG CAGTGAGTCA TGCCACCGGT GCGTGGGTTT TCAGCAATGC CACGTGCAAG TTGCTAAAAG
GCATCTATGC CATCAACTTT AACTGCGGGA TGCTGCTCCT GACTTGCAAT AGCATGGACC GGTACATCGC
CATTGTACAG GCGACTAAGT CATTCCGGCT CCGATCCAGA ACACTACCGC GCAGCAAAAT CATCTGCCTT
GTTGTGTGGG GGCTGTCACT CATCATCTCC AGCTCAACTT TTGTCTTCAA CCAAAAATAC AACACCCAAG
GCAGCGATGT CTGTGAACCC AAGTACCAGA CTGTCTCGGA GCCCATCAGG TGAAGTCTGC TGATGTTGGG
GCTTGAGCTA

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GE100003, scramble sequence in pCas-Guide vector



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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_004367](#), [NM_031409](#)

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 dendritic 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]

Product images:

