



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** Human CCR2B Expression Vector (pcCCR2B)

**Catalog Number:** 3322

**Lot Number:** 011658

**Release Category:** C

**Provided:** 29 µg purified plasmid DNA in TE buffer at 5.8 mg/mL.

**Cloning Site:** BamHI and XhoI (5'-3'). The size of the insert is approximately 1.1 kb.

**Cloning Vector:** pcDNA1/amp (Invitrogen).

**Description:** Chemokine receptor expression vector, CCR2b. The cDNA encoding CCR2b was amplified from activated PBMC RNA using primers hybridizing to the 5' and 3' untranslated regions of CCR2b. The PCR product was digested with BamHI and SalI and cloned into the BamHI and XhoI sites of pcDNA1/amp (SalI and XhoI are compatible ends for ligation). Constructs are selected for by adding Ampicillin (100 µg/mL) to the growth medium. Chloramphenicol (100 µg/ml) should be added 4.5–5.5 hours (OD<sub>600</sub> = 1.0) after seeding the culture. The plasmid can be transformed into E. coli strain HB101.

CCR-2b primer sequences:  
CCR-2B.5'BamHI (35mer): 5'-GCTCAGGATCCTGAGACAAGCCACAAGCTGAACAG-3'.  
CCR-2B.3'XhoI (34mer): 5'-GTGCCTCTAGACTGAATGCGTGAGCCCTTGCTC-3'.

**Special Characteristics:** [Plasmid Map](#)

**Recommended Storage:** -20°C

**Contributor:** Dr. Nathaniel Landau, Aaron Diamond AIDS Research Center, The Rockefeller University.

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ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

**References:**

Morgenstern JP, Land H. Advanced mammalian gene transfer: high titre retroviral vectors with multiple drug selection markers and a complementary helper-free packaging cell line. *Nucleic Acids Res* **18**:3587-3596, 1990.

Deng H, Liu R, Ellmeier W, Choe S, Unutmaz D, Burkhart M, Di Marzio P, Marmon S, Sutton RE, Hill CM, Davis CB, Peiper SC, Schall TJ, Littman DR, Landau NR. Identification of a major co-receptor for primary isolates of HIV-1. *Nature* **381**:661-666, 1996.

**NOTE:**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Human CCR2B Expression Vector (pcCCR2B) (cat #3322) from Dr. Nathaniel Landau." Also include the references cited above in any publications.

**Patent-pending. Requests from commercial organizations must be directed to the New York University Medical Center, ATTN: Office of Industrial Liaison, 550 First Avenue, New York, NY 10016, TEL: 212-263-8178.**

**Last Updated:**

December 12, 2016

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