

Data Sheet

NAME:	p.CCR Chemokine Receptor Expression Vectors
REPOSITORY REFERENCE:	ARP 2018.1 - 6
PROVIDED:	Each clone is provided as 1 µg of plasmid DNA in TE buffer (10µg/ml). Propagate in HB101 bacteria.
CLONING VECTOR:	pBABE-puro (Morgenstern & Land, 1990). Constructs derived from pBABE-puro and are ampicillin resistant (use 100µg/ml ampicillin). Chloramphenicol (25 µg/ml) should be added 4.5-5.5 hours (OD ₆₀₀ =1.0) after seeding the culture for plasmid preparation.
SPECIAL CHARACTERISTICS:	The inserts were derived from cDNAs encoding CCR-1, CCR-2B, CCR-3, CCR-4, CCR-5, or Fusin. Each cDNA was amplified from activated PBMC RNA using primers hybridizing to the 5' and 3' untranslated regions. CCR-1, CCR-2B, CCR-4, and CCR-5 inserts were obtained by BamHI-Sall digestion, and cloned into the BamHI-Sall site of pBABE-puro. CCR-3 cDNA was obtained by EcoRI-XbaI digestion and cloned into pCDNA/amp to produce pc.CCR-3. The pc.CCR-3 EcoRI-XbaI insert was excised, blunted, and ligated into EcoRI-Sall digested pBABE-puro to produce pBABE.CCR-3. Fusin cDNA was cloned into pCRII, excised with EcoRI, and cloned into the EcoRI site of pBABE-puro.
STORAGE :	4°C
SOURCE :	Dr Nathaniel Landau, Aaron Diamond AIDS Research Center, The Rockefeller University (courtesy of NIH AIDS Research and reference Reagent Programme.)

REFERENCE :

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.

ACKNOWLEDGEMENTS :

Publications should acknowledge the donor of the reagent and the Programme EVA Centre for AIDS Reagents. Suggested wording can be found on our website at <http://www.nibsc.ac.uk/spotlight/aidsreagent/index.html> in the "Acknowledgements" section.

Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR (this can be electronically or as a paper copy)

Repository Reference	Expression Vector	Primer Sequences
ARP 2018.1	pBABE.CCR-1	5' BamHI 5' GCT CAG GAT CCG CCC AGA AAC AAA GAC TTC ACG G3' 3' Sall 5' CGA TCG GTC GAC GTT CTA TGT TCC CCA GGA TTC C 3'
ARP 2018.2	pBABE.CCR-2B	5' BamHI 5' GCT CAG GAT CCT GAG ACA AGC CAC AAG CTG AAC AG 3' 3' XhoI 5' GTC CCT CTA GAC TGA ATG CGT GAG CCC TTT GCT C 3'
ARP 2018.3	pBABE.CCR-3	5' EcoRI 5' GAC TCG AAT TCT TCT TCT ATC ACA GGG AGA AGT G 3' 3' XbaI 5' GTG CCT CTA GAC TGG AAG TTT GAA GGA CTG TT 3'
ARP 2018.4	pBABE.CCR-4	5' BamHI 5' CGT CGG ATC CGC AAG CTG CTT CTG GTT GGG CCC 3' 3' Sall 5'CGG CGT GTC GAC GAA TGT GGA AAA GTT CAT TGA C 3'
ARP 2018.5	pBABE.CCR-5	5' BamHI 5'CTC GGA TCC GGA ACA AGA TGG ATT AT 3' 3' Sall 5' CTC GTC GAC ATG TGC ACA ACT CTG ACT G 3'
ARP 2018.6	pBABE.Fusin	5' EcoRI 5' AAG TGA CGC CGA GGG CCT GAG T 3' 3' EcoR 5' GCC TAG ACA CAC ATC AAT ATG A 3'

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Data Sheet

NAME : pBABE-Bonzo (STRL33)

REPOSITORY REFERENCE : ARP 2018.7

PROVIDED: 1 µg (10 µl) of purified plasmid DNA

CLONING VECTOR: pBABE-puro

HOST STRAIN: DH5-alpha

CLONING SITE: BstXI sites of pBABE-puro polylinker

DESCRIPTION: Bonzo cDNA (2.1kb, ORK approx. 1.1 kb) was PCR-amplified (Deng et al. Nature 388:296, 1997) from cell clones transduced with a human T cell cDNA expression library (Kitamura et al., Proc Natl Acad Sci USA 92:9146, 1995), and subcloned between BstXI sites of the pBABE-puro MLV retroviral vector polylinker (Morgenstern JP, Land H Nuclei Acids Res 18:3587, 1990). Total plasmid size is 7.2 kb.

SPECIAL CHARACTERISTICS : Bonzo, also described as STRL33 (Liao et al. And Heiber et al.), is a recently identified seven-transmembrane molecule that serves as an entry cofactor for a broad spectrum of HIV-1, HIV-2, and SIV isolates.

SOURCE : Dr Dan Littman, Howard Hughes Medical Institute and Skirball Institute, New York University Medical Center. (courtesy of NIH AIDS Research and reference Reagent Programme.)

REFERENCE : Deng H et al. Nature 388:296,1997

ACKNOWLEDGEMENTS : Publications should acknowledge the donor of the reagent, Dr Dan Littman , and the Centre for AIDS Reagents supported by EU Programme EVA/MRC (contract QLKZ-CT-1999-00609) and the UK Medical

Research Council.

NOTE:

Patent pending. Requests from commercial organizations should 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

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.**

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Data Sheet

NAME : pBABE-BOB (GPR15)

REPOSITORY REFERENCE : ARP 2018.8

PROVIDED: 1 µG (10 µL) of purified plasmid DNA

CLONING VECTOR: pBABE-puro

HOST STRAIN: Dh5-alpha

CLONING SITE: *Bst*X1 sites of pBABE-puro polylinker.

DESCRIPTION: BOB cDNA (2.2kb, ORF approx, 1.1kb) was PCR-amplified (Deng et al. *Nature* **388**:296,1997) from cell clones transduced with a human T cell cDNA expression library (Kitamura et al., *Proc Natl Acad Sci USA* **92**:9146, 1995), and subcloned between *Bst*X1 sites of the pBABE-puro MLV retroviral vector polylinker (Morgenstern JP, Land H *Nuclei Acids Res* **18**:3587, 1990). Total plasmid size is 7.3 kb

SPECIAL CHARACTERISTICS : BOB, also described as GPR15 is a recently-identified seven-transmembrane molecule that serves as an entry cofactor for a broad spectrum of HIV-1, HIV-2, and SIV isolates.

SOURCE : Dr Dan Littman, Howard Hughes Medical Institute and Skirball Institute, New York University Medical Center. (courtesy of NIH AIDS Research and Reference Reagent Programme.)

REFERENCE : Deng, H et al. *Nature* **388**:296, 1997

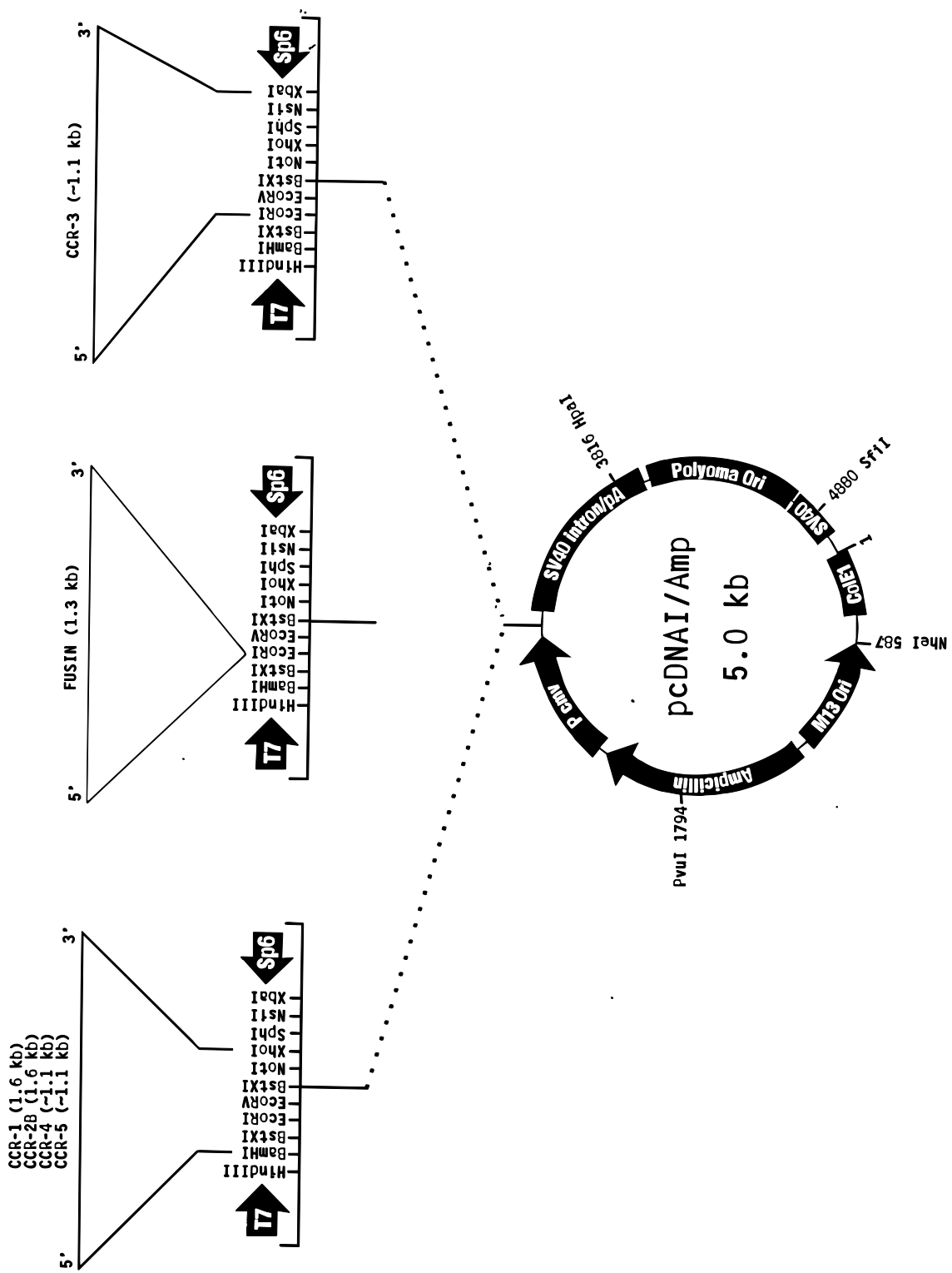
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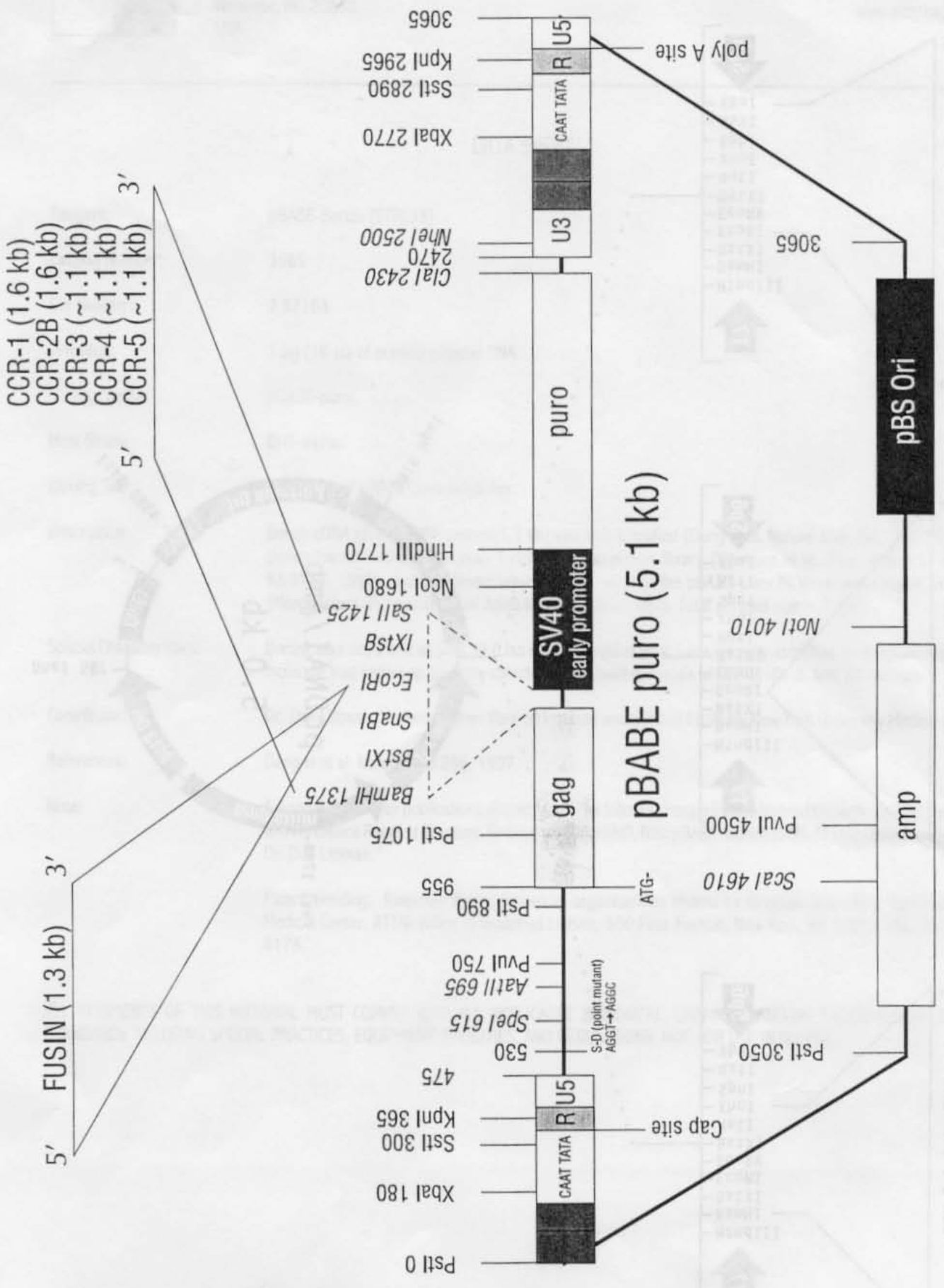
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Unique sites are shown in italics.