

## Vector pCK15-3-3 SHIV AD8EO Env

### Catalog No. HRP-20280

#### For research use only. Not for use in humans.

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#### Contributor:

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#### Manufacturer:

BEI Resources

#### Product Description:

HRP-20280 is a vector designed to express SHIV AD8EO (GenBank: [MN816822](#)) envelope protein under CMV promoter. The plasmid is approximately 6500 base pairs and contains an ampicillin resistance marker for transformant selection. The plasmid sequence is provided on the BEI Resources webpage.

HRP-20280 is designed for use in pseudovirus generation in cotransfection assays using Env-defective viral molecular clones.

#### Material Provided:

Each vial contains plasmid DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA pH 8.0). The DNA concentration and volume provided are shown on the Certificate of Analysis. The vial should be centrifuged prior to opening. **Note:** The contents of the vial should be used to replicate the plasmid in *E. coli* prior to expression studies.

#### Packaging/Storage:

HRP-20280 was packaged aseptically in plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

#### Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Vector pCK15-3-3 SHIV AD8EO Env, HRP-20280."

#### Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories \(BMBL\)](#), 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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#### References:

1. Martin, M. A., Personal Communication.
2. Shingai, M. et al. "Most Rhesus Macaques Infected with the CCR5-tropic SHIV(AD8) Generate Cross-Reactive Antibodies that Neutralize Multiple HIV-1 Strains." *Proc. Natl. Acad. Sci. U. S. A.* 109 (2012): 19769-19774. PubMed: 23129652.

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