

**Vector pCK15-3-3 SHIV AD8EO Env**

**Catalog No. HRP-20280**

This reagent is the tangible property of the U.S. Government.

**Product Description:**

HRP-20280 is a vector designed to express SHIV AD8EO (GenBank: [MN816822](#)) envelope protein under CMV promoter. The deposited plasmid DNA was transformed into One Shot™ TOP10 *E. coli* (Invitrogen™ C404003), grown in Luria-Bertani broth with ampicillin (50 µg/mL) for 20 hours at 37°C in an aerobic atmosphere, extracted using a Plasmid Plus Maxi Kit (QIAGEN® 12963) and vialled in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 8.0).

**Lot: 70061149**

**Manufacturing Date: 20DEC2023**

TEST	SPECIFICATIONS	RESULTS
<b>Next-Generation DNA Sequencing</b>	6498 base pairs	6498 base pairs <sup>1</sup>
<b>Genotypic Analysis</b> Sequencing of SHIV AD8EO Env gene insert (2553 base pairs)	≥ 99% sequence identity to SHIV AD8EO genome (GenBank: MN816822.1)	100% sequence identity to SHIV AD8EO genome (GenBank: MN816822.1)
<b>Antibiotic Resistance</b> Ampicillin (encoded by beta-lactamase gene <i>bla</i> )	<i>bla</i> sequence present	<i>bla</i> sequence present
<b>Concentration by Qubit Fluorometer®</b>	Report results	1.9 µg in 100 µL/vial (19 µg/mL)
<b>Amount per Vial</b>	Report results	1.9 µg/vial
<b>OD<sub>260</sub>/OD<sub>280</sub> Ratio (pre-vial)</b>	1.7 to 2.1	1.9
<b>Effective Bacterial Transformation</b> Invitrogen™ MAX Efficiency™ Stbl2™ <i>E. coli</i>	≥ 50 colonies/ng	1075 colonies/ng

<sup>1</sup>The sequence was assembled pre-vial using the depositor's predicted sequence as the reference sequence. The complete plasmid sequence is provided on the BEI Resources webpage.

/Kenneth R. Crawford/  
Kenneth R. Crawford

09 MAY 2024

Lead Technical Writer or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by ATCC® and the contributor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

