

## Simian-Human Immunodeficiency Virus Infectious Molecular Clone, pSHIV AD8EO

## Catalog No. HRP-20278

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## Product Description:

HRP-20278 is a full-length infectious molecular clone of the simian-human immunodeficiency virus, SHIV AD8EO (GenBank: [MN816822](#)). The plasmid is approximately 13,040 base pairs and contains an ampicillin resistance marker for transformant selection. The deposited plasmid DNA was transformed into MAX Efficiency™ Stbl2™ *E. coli* (Invitrogen™ 10268019), grown in Luria-Bertani broth with ampicillin (50 µg/mL) for 20 hours at 30°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: 70061147

Manufacturing Date: 27JUN2023

TEST	SPECIFICATIONS	RESULTS
Next-Generation DNA Sequencing	~ 13,040 base pairs	13,039 base pairs <sup>1</sup>
<b>Genotypic Analysis</b> Sequencing of SHIV AD8EO genome insert (10,262 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	2.4 µg in 100 µL/vial (24 µg/mL)
<b>Amount per Vial</b>	Report results	2.4 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	60 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/

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15 MAY 2024

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