

Vector pcDNA3 Containing the Zaire Ebolavirus, Mayinga Nucleoprotein Gene

Catalog No. NR-49402

Product Description: The nucleoprotein (NP) gene from Zaire ebolavirus (EBOV), Mayinga was directionally subcloned into a modified pcDNA3 mammalian expression vector. The plasmid was produced in *Escherichia coli* and extracted.

Lot¹: 70013727

Manufacturing Date: 15MAR2018

TEST	SPECIFICATIONS	RESULTS
Restriction Digestion Analysis	Expected restriction pattern with <i>EcoRI</i> and <i>BamHI</i>	Expected restriction pattern with <i>EcoRI</i> and <i>BamHI</i>
Sequencing of Insert NP gene (~ 1570 base pairs)	Consistent with Zaire EBOV, Mayinga NP	99.7% identity with Zaire EBOV, Mayinga NP (GenBank: AF086833.2)
PicoGreen[®] Measurement DNA content DNA concentration	Report results Report results	2670 ng 26.7 ng per µL (26.7 µg per mL)
Effective Bacterial Transformation²	≥ 100 colonies per ng	≥ 100 colonies per ng

¹The bacterial preparation for extraction of plasmid DNA was produced by culture of BEI Resources NRC-49340 lot 63433834 in Luria Bertani (LB) broth containing 50 µg/mL ampicillin. Plasmid DNA was extracted using proprietary technology.

²One Shot[®] TOP10 *Escherichia coli* were transformed with 27 ng of plasmid DNA

/Heather Couch/
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Program Manager or designee, ATCC Federal Solutions

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