

**Vector pcDNA3.1 Containing Ebola Virus, Zaire Glycoprotein**

**Catalog No. NR-19814**

**Product Description:** The viral glycoprotein gene from Zaire ebolavirus (EBOV) was synthesized by multiple rounds of overlapping PCR and subcloned into the Invitrogen™ vector pcDNA3.1. The plasmid was produced in *Escherichia coli* and extracted.<sup>1</sup>

**Lot<sup>1</sup>: 63580602**


**Manufacturing Date: 11JUN2015**

TEST	SPECIFICATIONS	RESULTS
<b>Confirmation of Insert by Restriction Enzyme Digestion</b> Digestion with <i>SacI</i> <sup>2</sup>	~ 5.3 kb (vector); ~ 2.5 kb (insert)	~ 5.3 kb (vector); ~ 2.5 kb (insert)
<b>Sequencing of Insert (1626 nucleotides)</b>	Consistent with Zaire EBOV glycoprotein	99% identity with Zaire EBOV glycoprotein (GenBank: L11365)
<b>PicoGreen® Measurement</b> DNA content DNA concentration	20 to 80 ng Report results	72 ng 0.72 ng per µL (0.72 µg per mL)
<b>Effective Bacterial Transformation</b>	≥ 100 colonies per ng	≥ 100 colonies per ng

<sup>1</sup>Produced in *Escherichia coli* 5-alpha F' cells (New England Biolabs™ C2992H) and extracted using a Plasmid Plus Maxi Kit (QIAGEN® 12963)

<sup>2</sup>*SacI*-HF® (New England BioLabs, Inc. R3156S)

**Date:** 29 JUN 2015

**Signature:** 

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