

**Vector pcDNA3.1 Containing  $\beta$ -Lactamase Fused to Ebolavirus, Zaire VP40 (Bla-VP40)**

**Catalog No. NR-19813**

**Product Description:** The viral matrix protein VP40 gene from ebolavirus (EBOV), Zaire was synthesized by multiple rounds of overlapping PCR and fused to the  $\beta$ -lactamase gene to create a modified  $\beta$ -lactamase-VP40 fusion protein (Bla-VP40) which was subcloned into the Invitrogen™ vector pcDNA3.1. The plasmid was produced in *Escherichia coli* and extracted.<sup>1</sup>

**Lot<sup>1</sup>: 63580604**

**Manufacturing Date: 23JUL2015**

TEST	SPECIFICATIONS	RESULTS
<b>Sequencing of Insert (868 nucleotides)</b>	Consistent with EBOV, Zaire VP40	99% identity with EBOV, Zaire VP40 (GenBank: L11365)
<b>PicoGreen® Measurement</b> DNA content DNA concentration	20 to 50 ng Report results	40 ng 0.40 ng per $\mu$ L (0.40 $\mu$ g per mL)
<b>Effective Bacterial Transformation</b>	$\geq$ 100 colonies per ng	$\geq$ 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)

**Date:** 22 OCT 2015

**Signature:** 

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