

## Certificate of Analysis for NR-29005

### Plasmid Containing H13 Hemagglutinin (HA) Gene from Influenza A Virus, A/black headed gull/Sweden/1/1999 (H13N6)

#### Catalog No. NR-29005

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

**Product Description:** The H13 hemagglutinin (HA) gene from influenza A virus, A/black headed gull/Sweden/1/1999 (H13N6), was cloned into a modified version of the bidirectional reverse genetics plasmid, pHW2000. The plasmid was produced in *Escherichia coli* and extracted.<sup>1</sup>

**Lot<sup>1</sup>:** 61056467

**Manufacturing Date:** 29JUN2012

TEST	SPECIFICATIONS	RESULTS
<b>Confirmation of Insert by Restriction Enzyme Digestion</b> Digestion with <i>SacI</i> <sup>2</sup>	~ 2.1 kb (insert); ~ 2.6 kb (vector)	~ 2.1 kb; ~ 2.6 kb
<b>Sequencing of H13 Hemagglutinin Coding Region</b>	Consistent with A/black headed gull/Sweden/1/1999 (H13N6)	100% identity with A/black headed gull/Sweden/1/1999 (H13N6) (GenBank: AY684887)
<b>PicoGreen® Measurement</b> DNA content DNA concentration	Report results Report results	60 ng per vial 0.6 ng per µL
<b>Effective Bacterial Transformation</b>	≥ 100 colonies per ng	≥ 100 colonies per ng

<sup>1</sup>Produced in *Escherichia coli* Stbl2™ cells (Invitrogen™ 10268) and extracted using an EndoFree® Plasmid Maxi Kit (QIAGEN® 12362)

<sup>2</sup>*SacI* (New England BioLabs, Inc. R0156M)

**Date:** 08 OCT 2012

**Signature:**



**Title:** Technical Manager, BEI Authentication or designee

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