

Plasmid Containing H4 Hemagglutinin (HA) Gene from Influenza A Virus, A/mallard/Netherlands/1/1999 (H4N6)

Catalog No. NR-28996

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

Product Description: The H4 hemagglutinin (HA) gene from influenza A virus, A/mallard/Netherlands/1/1999 (H4N6), was cloned into a modified version of the bidirectional reverse genetics plasmid, pHW2000. The plasmid was produced in *Escherichia coli* and extracted.¹

Lot¹: 60692801

Manufacturing Date: 05APR2012

TEST	SPECIFICATIONS	RESULTS
Confirmation of Insert by Restriction Enzyme Digestion Digestion with <i>SacI</i> ²	~ 2.1 kb (insert); ~ 2.6 kb (vector)	~ 2.1 kb; ~ 2.6 kb
Sequencing of H4 Hemagglutinin Coding Region	Consistent with A/mallard/Netherlands/1/1999 (H4N6)	100% identity with A/mallard/Netherlands/1/1999 (H4N6) (GenBank: CY060241)
PicoGreen[®] Measurement DNA content DNA concentration	Report results Report results	80 ng per vial 0.8 ng per µL
Effective Bacterial Transformation	≥ 100 colonies per ng	≥ 100 colonies per ng

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

²*SacI* (New England BioLabs, Inc. R0156M)

Date: 14 SEP 2012

Signature:



Title: Technical Manager, BEI Authentication or designee

ATCC[®], on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC[®]'s knowledge.

ATCC[®] is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

