

Plasmid Containing H3 Hemagglutinin (HA) Gene from Influenza A Virus, A/mallard/Sweden/50/2002 (H3N8)

Catalog No. NR-28995

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Product Description:

The H3 hemagglutinin (HA) gene from influenza A virus, A/mallard/Sweden/50/2002 (H3N8), was cloned into a modified version of the bidirectional reverse genetics plasmid, pHW2000. NR-28995 lot 70063483 was extracted from a preparation of BEI Resources seed lot 60692810, produced in *Escherichia coli* Stbl2™ cells (Invitrogen™ 10268) in the presence of 100 µg/mL ampicillin and extracted using Plasmid Plus Maxi Kit (QIAGEN® 12963).

Lot: 70063483

Manufacturing Date: 08SEP2023

TEST	SPECIFICATIONS	RESULTS
Confirmation of Insert by Restriction Enzyme Digestion Digestion with <i>SacI</i> ¹	~ 2.1 kb; ~ 2.5 kb	~ 2.1 kb; ~ 2.5 kb
Genotypic Analysis Sequencing of H3N8 Hemagglutinin gene insert (~ 1740 base pairs)	≥ 99% sequence identity to A/mallard/Sweden/50/2002 (H3N8) (GenBank: CY060308.1)	99.9% sequence identity to A/mallard/Sweden/50/2002 (H3N8) (GenBank: CY060308.1)
Concentration by Qubit® Measurement	≥ 2 µg/mL	1.38 µg in 100 µL/vial (14 µg/mL)
Amount per Vial	Report results	1.38 µg/vial
OD₂₆₀/OD₂₈₀ Ratio (pre vial)	1.7 to 2.1	2.0
Effective Bacterial Transformation Invitrogen™ MAX Efficiency™ Stbl2™ <i>E. coli</i>	≥ 50 colonies/ng	60 colonies/ng

¹*SacI* (New England BioLabs, Inc. R31565)

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25 JAN 2024

Technical Manager or designee, ATCC Federal Solutions

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