

Plasmid Containing N5 Neuraminidase (NA) Gene from Influenza A Virus, A/mallard/Sweden/86/2003 (H12N5)

Catalog No. NR-29014

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Product Description: The N5 neuraminidase (NA) gene from influenza A virus, A/mallard/Sweden/86/2003 (H12N5), was cloned into a modified version of the bidirectional reverse genetics plasmid, pHW2000. The plasmid was produced in *Escherichia coli* Stbl2™ cells.

Lot¹: 70019954

Manufacturing Date: 13DEC2018

TEST	SPECIFICATIONS	RESULTS
Confirmation of Insert by Restriction Enzyme Digestion Digestion with SacI ²	~ 1.8 kb (insert); ~ 2.6 kb (vector)	~ 1.8 kb; ~ 2.6 kb
Sequencing of N5 Neuraminidase Coding Region (~ 1430 nucleotides)	≥ 98% identity with A/mallard/Sweden/86/2003 (H12N5) (GenBank: CY060392)	100% identity with A/mallard/Sweden/86/2003 (H12N5) (GenBank: CY060392)
PicoGreen® Measurement DNA content DNA concentration	Report results Report results	940 ng per vial 9.4 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 Plasmid Plus Maxi Kit (QIAGEN® 12963)

²SacI (New England BioLabs, Inc. R0156M)

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Program Manager or designee, ATCC Federal Solutions

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