

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

Catalog No. NR-28995

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For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

The H3 hemagglutinin (HA) gene from influenza A virus, A/mallard/Sweden/50/2002 (H3N8) (GenBank: [CY060308](#)), was cloned into a modified version of the bidirectional reverse genetics plasmid, pHW2000. The resulting plasmid, NR-28995, may be used to rescue recombinant viruses with reverse genetics techniques or to express the HA protein by transfection.^{1,2} The plasmid was produced in *Escherichia coli* and extracted.

Material Provided:

Each vial contains approximately 100 µL of plasmid DNA in TE buffer (10 mM Tris-HCl and 0.5 mM EDTA, pH 8.0). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-28995 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Plasmid Containing H3 Hemagglutinin (HA) Gene from Influenza A Virus, A/mallard/Sweden/50/2002 (H3N8), NR-28995."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories \(BMBL\)](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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References:

1. R Keawcharoen, J., et al. "Repository of Eurasian Influenza A Virus Hemagglutinin and Neuraminidase Reverse Genetics Vectors and Recombinant Viruses." *Vaccine* 28 (2010): 5803-5809. PubMed: 20600474.
2. Hoffman, E., et al. "A DNA Transfection System for Generation of Influenza A Virus from Eight Plasmids." *Proc. Natl. Acad. Sci. USA* 97 (2000): 6108-6113. PubMed: 10801978.

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