

Plasmid Containing N6 Neuraminidase (NA) Gene from Influenza A Virus, A/mallard/Netherlands/1/1999 (H4N6)

Catalog No. NR-29015

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

For research use only. Not for human use.

Contributor:

Ron A. M. Fouchier, Ph.D., Professor, Department of Virology, Erasmus Medical Center, Rotterdam, The Netherlands, provided under government contract

Manufacturer:

BEI Resources

Product Description:

The N6 neuraminidase (NA) 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 resulting plasmid, NR-29015, may be used to rescue recombinant viruses with reverse genetics techniques or to express the NA protein by transfection.^{1,2} The plasmid was produced in *Escherichia coli* Stbl2™ cells (Invitrogen™) and extracted using a QIAGEN® EndoFree® Plasmid Maxi Kit.

Material Provided:

Each vial contains approximately 100 µL of plasmid DNA in TE buffer (pH 7.0). The DNA concentration and content are shown on the Certificate of Analysis.

Packaging/Storage:

NR-29015 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

Citation:

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Plasmid Containing N6 Neuraminidase (NA) Gene from Influenza A Virus, A/mallard/Netherlands/1/1999 (H4N6), NR-29015.”

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. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

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

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale. This material may be subject to third party patent rights.

References:

1. 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.

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

