

# N1 Neuraminidase (NA) Protein Ectodomain from Influenza A Virus, A/Brisbane/02/2018 (H1N1)pdm09, Recombinant from Baculovirus

## Catalog No. NR-56547

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

**For research use only. Not for use in humans.**

## Contributor and Manufacturer:

St. Jude Children's Research Hospital (SJCRH), Memphis, Tennessee, USA, supported under government contract 75N93021C00016, NIAID CEIRR program

## Product Description:

A recombinant form of the N1 neuraminidase (NA) protein ectodomain from influenza A virus, A/Brisbane/02/2018 (H1N1) was produced in Sf9 insect cells using a baculovirus expression system. The recombinant NA protein containing the N1 ectodomain and a hexa-histidine tag was purified by ion exchange and affinity chromatography.<sup>1</sup>

## Material Provided:

Each vial contains approximately 0.2 mL of purified recombinant NA protein in 50 mM Tris (pH 7.8) with 500 mM NaCl and 10% glycerol. The concentration, expressed as milligrams per milliliter, is shown on the Certificate of Analysis.

## Packaging/Storage:

NR-56547 was packaged aseptically, in screw-capped plastic vials. This product is provided on refrigerated bricks and should be stored at 2°C to 8°C immediately upon arrival. Freeze-thaw cycles should be avoided.

## Functional Activity:

NR-56547 is functional in SDS-PAGE, western blot and ELISA.<sup>1</sup>

## Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: N1 Neuraminidase (NA) Protein Ectodomain from Influenza A Virus, A/Brisbane/02/2018 (H1N1)pdm09, Recombinant from Baculovirus, NR-56547."

## 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. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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## References:

1. Govorkova, E. A., Personal Communication.

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