

**H3 Hemagglutinin (HA) Protein from Influenza Virus, A/Uruguay/716/2007 (H3N2), Recombinant from Baculovirus**

**Catalog No. NR-15168**

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

**For research use only. Not for human use.**

**Contributor:**

BEI Resources

**Manufacturer:**

Protein Sciences Corporation, Meriden, Connecticut, USA

**Product Description:**

The H3 hemagglutinin (HA) protein from influenza virus A/Uruguay/716/07 (H3N2) is a full-length glycosylated recombinant protein. NR-15168 lot 58774840 was produced in Sf9 insect cells, and lot 61456798, in ExpresSF+® cells, both using a baculovirus expression vector system.<sup>1,2</sup> The recombinant H3 HA protein was purified under conditions that preserve its biological activity and tertiary structure.

**Material Provided:**

Each vial of NR-15168 lot 58774840 contains approximately 115 µg (0.11 mL) of purified recombinant H3 HA protein in 10 mM sodium phosphate buffer, pH 7.2, containing 150 mM sodium chloride and 0.005% Tween-20. Each vial of lot 61456798 contains approximately 100 µg (0.17 mL) of purified recombinant H3 HA protein in 10 mM sodium phosphate buffer, pH ~ 7.4, containing 150 mM sodium chloride and 0.005% Tween-20. The concentration, expressed as µg/mL, is shown on the Certificate of Analysis.

**Packaging/Storage:**

Purified recombinant H3 HA protein was packaged aseptically, in screw-capped plastic cryovials. This product is provided on refrigerated bricks and should be stored at 2°C to 8°C immediately upon arrival. Do not freeze.

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: H3 Hemagglutinin (HA) Protein from Influenza Virus, A/Uruguay/716/2007 (H3N2), Recombinant from Baculovirus, NR-15168."

**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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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NR-15168 is claimed in U.S. Patent Numbers 5,762,939 and 6,103,526, and the continuations, continuations-in-part, reissues and foreign counterparts thereof. Commercial use also requires a license from Protein Sciences Corporation, Meriden, Connecticut. For information call 203-686-0800.

**References:**

1. Smith, G. E., et al. Method for Producing Influenza Hemagglutinin Multivalent Vaccines Using Baculovirus. MG-PMC, LLC, assignee. U.S. Patent 5,762,939. 09 Jun. 1998.
2. Smith, G. E., et al. *Spodoptera frugiperda* Single Cell

Suspension Cell Line in Serum-Free Media, Methods of Producing and Using. Protein Sciences Corporation, assignee. U.S. Patent 6,103,526. 15 Aug. 2000.

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