

H1 Hemagglutinin (HA) Protein from Influenza A Virus, A/California/07/2009 (H1N1)pdm09, Recombinant from Baculovirus

Catalog No. NR-51668

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Contributor and Manufacturer:

St. Jude Children's Research Hospital, Memphis, Tennessee, USA

Product Description:

A recombinant form of the H1 hemagglutinin (HA) protein from influenza A virus, A/California/07/2009 (H1N1)pdm09¹ was produced in Sf9 insect cells using a baculovirus expression system. The recombinant HA protein containing the H1 ectodomain was purified by ion exchange and affinity chromatography.^{1,2}

Material Provided:

Each vial contains 100 µL of purified recombinant HA protein in 50 mM Tris (pH 8) with 500 mM NaCl and 10% glycerol. The concentration, expressed as µg per mL, is shown on the Certificate of Analysis.

Packaging/Storage:

Purified recombinant HA protein was packaged aseptically, in screw-capped plastic cryovials. This product is provided on blue ice and should be stored at 2°C to 8°C immediately upon arrival.

Functional Activity:

NR-51668 is functional in SDS-PAGE, western blot and ELISA.¹

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: H1 Hemagglutinin (HA) Protein from Influenza A Virus, A/California/07/2009 (H1N1)pdm09, Recombinant from Baculovirus, NR-51668."

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.

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References:

1. Govorkova, E. A., et al., Personal Communication.
2. Feschenko, E., et al. "Pandemic Influenza Vaccine: Characterization of A/California/07/2009 (H1N1) Recombinant Hemagglutinin Protein and Insights into H1N1 Antigen Stability." *BMC Biotechnol.* 12 (2012): 77. PubMed: 23110350.

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