

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

Catalog No. NR-44074

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Contributor:

St. Jude Children's Research Hospital (CEIRS)

Manufacturer:

Protein Sciences Corporation

Product Description:

The H1 hemagglutinin (HA) protein from influenza virus A/California/07/2009 (H1N1)pdm09¹ is a full-length glycosylated recombinant protein that was produced in expresSF+[®] insect cells using a baculovirus expression vector system.^{2,3} The recombinant H1 HA protein was purified using conventional chromatographic techniques.

Material Provided:

Each vial contains approximately 200 µg to 400 µg of purified recombinant HA protein in PBS containing 0.005% Tween-20. 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 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: H1 Hemagglutinin (HA) Protein from Influenza Virus, A/California/07/2009 (H1N1)pdm09, Recombinant from Baculovirus, NR-44074."

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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NR-44074 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. Feshchenko, E., et al. "Pandemic Influenza Vaccine: Characterization of A/California/07/2009 (H1N1) Recombinant Hemagglutinin Protein and Insights into H1N1 Antigen Stability." BMC Biotechnol. (2012) 12:77. PubMed: 23110350.
2. 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.
3. 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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