

H5 Hemagglutinin (HA) Protein from Influenza Virus, A/Indonesia/05/2005 (H5N1), Recombinant from baculovirus

Catalog No. NR-10511

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Contributor:

BEI Resources

Manufacturer:

Protein Sciences Corporation

Product Description:

H5 hemagglutinin (HA) protein from influenza virus A/Indonesia/05/2005 (H5N1)¹⁻³ is a full-length glycosylated recombinant protein that was produced in Sf9 insect cells using a baculovirus expression vector system.^{4,5} Recombinant H5 HA protein was purified under conditions that preserve its biological activity and tertiary structure.

Material Provided:

Each vial contains approximately 110 micrograms (0.43 mL) of purified recombinant H5 HA protein in 10 mM sodium phosphate buffer, pH 7.2, 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 H5 HA protein was packaged aseptically, in screw-capped plastic cryovials. This product is provided on refrigerated bricks and should be stored at 2 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: H5 Hemagglutinin (HA) Protein from Influenza Virus, A/Indonesia/05/2005 (H5N1), Recombinant from baculovirus, NR-10511."

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-10511 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. Baras, B., et al. "Cross-Protection against Lethal H5N1 Challenge in Ferrets with an Adjuvanted Pandemic Influenza Vaccine." PLoS ONE 3 (2008): e1401. PubMed: 18167560.
2. Laddy, D. J., et al. "Heterosubtypic Protection against Pathogenic Human and Avian Influenza Viruses via *In Vivo* Electroporation of Synthetic Consensus DNA Antigens." PLoS ONE 3 (2008): e2517. PubMed: 18575608.
3. Kreijtz, J. H., et al. "Recombinant Modified Vaccinia Virus Ankara-Based Vaccine Induces Protective Immunity in Mice against Infection with Influenza Virus H5N1." J. Infect. Dis. 195 (2007): 1598-1606. PubMed: 17471429.

4. 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.
5. 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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