H5 Hemagglutinin (HA) Protein from Influenza Virus, A/duck/Hunan/795/02 (H5N1), Recombinant from Baculovirus

Catalog No. NR-15631
This reagent is the tangible property of the U.S. Government.

For research use only. Not for human use.

Contributor:
NIH - Influenza Pandemic Preparedness in Asia Program

Manufacturer:
Protein Sciences Corporation

Product Description:
The H5 hemagglutinin (HA) protein from influenza virus A/duck/Hunan/795/02 (H5N1) is a full-length glycosylated recombinant protein that was produced in Sf9 insect cells using a baculovirus expression vector system. The recombinant H5 HA protein was purified under conditions that preserve its biological activity and tertiary structure.

Material Provided:
Each vial contains approximately 300 µg (1 mL) of purified recombinant H5 HA protein in PBS containing 0.05% 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°C to 8°C immediately upon arrival. Do not freeze.

Functional Activity:
NR-15631 is biologically active in a hemagglutination assay with 0.5% chicken red blood cells. NR-15631 is specific to the H5 HA subtype of influenza virus as determined in serological hemagglutination inhibition (HI) assays. NR-15631 demonstrates reactivity in HI and ELISA assays within the H5 HA subtype.

Applications: HI, ELISA, SDS-PAGE, antisera preparation (immunogen).

Citation:
Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: H5 Hemagglutinin (HA) Protein from Influenza Virus, A/duck/Hunan/795/02 (H5N1), Recombinant from Baculovirus, NR-15631.”

Biosafety Level: 1

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NR-15631 is claimed in U.S. Patent Numbers 5,762,939 and 6,103,526, and the continuations, continuations-in-part, re-issues and foreign counterparts thereof. Commercial use also requires a license from Protein Sciences Corporation, Meriden, Connecticut. For information call 203-686-0800.

References:

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