

**H3 Hemagglutinin (HA) Protein from Influenza Virus, A/duck/Shantou/1283/2001 (H3N8), Recombinant from Baculovirus**

**Catalog No. NR-28916**

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

**Product Description:** The H3 hemagglutinin (HA) protein from influenza virus A/duck/Shantou/1283/2001 (H3N8) is a full-length glycosylated recombinant protein that was produced in Sf9 insect cells using a baculovirus expression vector system.<sup>1</sup> The recombinant H3 HA protein was purified using conventional chromatographic techniques.

**Lot: 59962548**

**Manufacturing Date: MAR2010**

TEST	SPECIFICATIONS	RESULTS
<b>SDS-PAGE (Coomassie Blue Densitometer Scan)</b>	Report results	HA bands (HA0, HA1, HA2) account for > 90% of total density
<b>Protein Concentration by Bicinchoninic Acid Assay</b>	Report results	275 µg per mL (MAR2010)
<b>Functional Activity</b>		
Hemagglutination titer using 0.5% chicken red blood cells	Report results	1:12800
Hemagglutination inhibition (HI) assay <sup>2</sup> using polyclonal antiserum to 16 HA subtypes <sup>1</sup>	Report results	Cross-reactivity observed with antisera to H1, H8 and H11 subtypes
HI titers <sup>2</sup> using polyclonal antiserum to H3 HA subtype A/duck/Shantou/1283/2001 (H3N8) chicken antiserum	Report results	1:640
A/duck/Ukraine/1/1963 (H3N8) goat antiserum	Report results	1:160
A/Nanchang/13/2000 (H3N3) chicken antiserum	Report results	1:40
<b>Sterility</b>	0.22 µm filter-sterilized	0.22 µm filter-sterilized

<sup>1</sup>U.S. Patent Numbers 5,762,939 and 6,103,526.

<sup>2</sup>Serum samples were incubated overnight with receptor-destroying enzyme and heated for 30 minutes at 56°C.

**Date:** 16 APR 2014

**Signature:** *Dorothy C. Young*

**Title:** Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contractor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

