

**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.

**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.<sup>1</sup> The recombinant HA protein was purified under conditions that preserve its biological activity and tertiary structure.

**Lot: 58966912**

**Manufacturing Date: SEP2009**

TEST	SPECIFICATIONS	RESULTS
<b>SDS-PAGE (Coomassie Blue densitometer scan)</b>	Report results	One major band at ~ 67 kDa (HA0)
<b>Concentration by Bicinchoninic Acid Protein Assay</b>	Report results	297 µg/mL (SEP2009)
<b>Functional Activity</b> Hemagglutination titer using 0.5% chicken red blood cells Hemagglutination inhibition (HI) assay using polyclonal antiserum to 16 HA subtypes <sup>2</sup> HI titers using antibody to H5 HA subtype <sup>2</sup> A/bar-headed goose/Qinghai/1A/05 (H5N1) polyclonal antiserum <sup>3</sup> A/Anhui/1/05 (H5N1) polyclonal antiserum <sup>4</sup> A/Vietnam/1203/04 (H5N1) monoclonal antibody (VN04-8) <sup>5</sup> A/Vietnam/1203/04 (H5N1) monoclonal antibody (VN04-10) <sup>6</sup>	Report results Specific to H5 HA subtype Report results Report results Report results Report results	1:1280 Specific to H5 HA subtype 1:40 1:40 1:6400 1:1600
<b>Sterility</b>	0.22 µm sterile filtered	0.22 µm sterile filtered
<b>Endotoxin Content</b>	Report results	< 10 EU/mL

<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.

<sup>3</sup>BEI Resources NR-14818

<sup>4</sup>BEI Resources NR-10514

<sup>5</sup>BEI Resources NR-2731

<sup>6</sup>BEI Resources NR-2737

**Date:** 17 JUN 2010

**Signature:** Signature on File

**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.

