

**H7 Hemagglutinin (HA) Protein from Influenza Virus, A/Anhui/1/2013 (H7N9), Recombinant from Baculovirus**

**Catalog No. NR-45118**

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

**Product Description:** The H7 hemagglutinin (HA) protein from influenza virus A/Anhui/1/2013 (H7N9) is a full-length glycosylated recombinant protein that was produced in *expresSF+*<sup>®</sup> insect cells using a baculovirus expression vector system.<sup>1</sup> The recombinant H7 HA protein was purified using conventional chromatographic techniques.

**Lot: 62189037**

**Manufacturing Date: 27AUG2013**

TEST	SPECIFICATIONS	RESULTS
<b>SDS-PAGE (Coomassie Blue Densitometer Scan)</b>	Report results	HA0 band accounts for > 90% of total density
<b>Protein Concentration by Bicinchoninic Acid Assay</b>	Report results	375 µg per mL
<b>Functional Activity</b> Hemagglutination titer using 0.5% chicken red blood cells	Report results	1:320
Hemagglutination inhibition (HI) assay <sup>2</sup> using polyclonal antiserum to 16 HA subtypes	Report results	Specific for H7 HA subtype
HI titers <sup>2</sup> using polyclonal antiserum to H7 HA subtype	Report results	1:320
A/equine/Prague/1/1956 (H7N7) goat antiserum	Report results	1:10240
A/FPV/Rostock/1934 (H7N1) goat antiserum	Report results	1:10240
A/Netherlands/219/2003 (H7N7) goat antiserum	Report results	1:5120
A/Canada/RV444/2004 (H7N3) goat antiserum	Report results	1:5120
<b>Sterility</b>	0.22 µm filter-sterilized	0.22 µm filter-sterilized
<b>Endotoxin</b>	Report results	< 15 EU per 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.

**Date:** 30 APR 2014

**Signature:** 

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

ATCC<sup>®</sup>, 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<sup>®</sup>'s knowledge.

ATCC<sup>®</sup> 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.

