

**H9 Hemagglutinin (HA) Protein from Influenza Virus, A/Hong Kong/33982/2009 (H9N2), Recombinant from Baculovirus**

**Catalog No. NR-41792**

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

**Product Description:** The H9 hemagglutinin (HA) protein from influenza virus A/Hong Kong/33982/2009 (H9N2) 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 H9 HA protein was purified using conventional chromatographic techniques.

**Lot: 61259778**

**Manufacturing Date: AUG2012**

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	236 µg per mL (AUG2012)
<b>Functional Activity</b>		
Hemagglutination titer using 0.5% chicken red blood cells	Report results	1:2048
Hemagglutination inhibition (HI) assay <sup>2</sup> using polyclonal antiserum to 16 HA subtypes <sup>1</sup>	Report results	Specific for H9 HA subtype
HI titers <sup>2</sup> using polyclonal antiserum to H9 HA subtype	Report results	1:1024
A/Hong Kong/1073/1999 (H9N2) sheep antiserum	Report results	1:40
A/chicken/Hong Kong/G9/1997 (H9N2) goat antiserum		
HI titers <sup>2</sup> using monoclonal antibody to H9 HA subtype	Report results	1:3200
A/quail/Hong Kong/G1/1997 (H9N2) antibody	Report results	1:1600
A/chicken/Hong Kong/G9/1997 (H9N2) antibody		
<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

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