

**H1 Hemagglutinin (HA) Protein from Influenza Virus, A/California/07/2009 (H1N1)pdm09, Recombinant from Baculovirus**

**Catalog No. NR-44074**

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

**Product Description:** The H1 hemagglutinin (HA) protein from influenza virus A/California/07/2009 (H1N1)pdm09 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 H1 HA protein was purified using conventional chromatographic techniques.

**Lot: 63979139**

**Manufacturing Date: 23OCT2015**

TEST	SPECIFICATIONS	RESULTS
<b>SDS-PAGE</b>	Report results	HA bands account for ~ 90% of total density <sup>2</sup>
<b>Protein Concentration</b>	Report results	538 µg per mL <sup>2</sup>
<b>Protein Content</b> Quantity per vial Volume per vial	Report results Report results	269 µg 500 µL
<b>Functional Activity</b> Hemagglutination titer using 0.5% chicken red blood cells	Report results	1:512
Hemagglutination inhibition (HI) assay <sup>3</sup> using polyclonal antiserum to 16 HA subtypes	Report results	Specific for H1 HA subtype
HI titers <sup>3</sup> using polyclonal antiserum to H9 HA subtype A/California/04/2009 (H1N1)pdm09 goat antiserum A/California/04/2009 (H1N1)pdm09 ferret antiserum	Report results Report results	1:320 1:640
HI titers <sup>3</sup> using monoclonal antibody to H9 HA subtype A/California/04-2/2009 (H1N1)pdm09 antibody A/California/04-9/2009 (H1N1)pdm09 antibody	Report results Report results	1:6400 1:12800
<b>Sterility</b>	0.2 µm filter-sterilized	0.2 µm filter-sterilized
<b>Endotoxin</b>	Report results	≤ 10 EU per mL <sup>2</sup>

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

<sup>2</sup>Testing performed at Protein Sciences Corporation prior to vialing

<sup>3</sup>Serum samples were incubated overnight with receptor-destroying enzyme and heated for 30 minutes at 56°C.

**Date:** 31 MAR 2016

**Signature:** 

BEI Resources Authentication

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