

**H5 Hemagglutinin (HA) Protein from Influenza Virus, A/Vietnam/1203/2004 (H5N1), Recombinant from Baculovirus**

**Catalog No. NR-10510**

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

**Product Description:** The H5 hemagglutinin (HA) protein from influenza virus A/Vietnam/1203/2004 (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 H5 HA protein was purified under conditions that preserve its biological activity and tertiary structure.

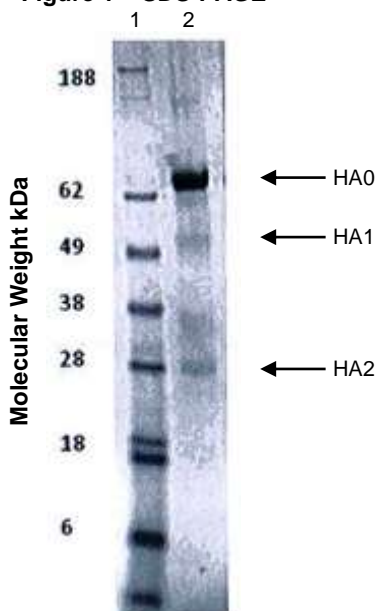
**Lot: 61558770**

**Manufacturing Date: OCT2012**

| TEST  | SPECIFICATIONS | RESULTS                          |
|---|----------------|----------------------------------|
| SDS-PAGE (Coomassie Blue Densitometer Scan)       | ≥ 90% pure     | > 90% pure (Figure 1)            |
| Concentration by Bicinchoninic Acid Protein Assay | Report results | 391 µg per mL                    |
| HA Activity Using Chicken Red Blood Cells         | Report results | 256 HA units per µg              |
| Endotoxin Content                                 | Report results | < 62.5 EU per mL                 |
| Bioburden   | Report results | < 10 colony forming units per mL |

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

Figure 1 – SDS-PAGE



Lane 1: MW marker (Invitrogen™)  
 Lane 2: 1 µg NR-10510

## Certificate of Analysis for NR-10510

**Date:** 26 JUN 2013

**Signature:** 

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

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