

**H3 Hemagglutinin (HA) Protein with C-Terminal Histidine Tag from Influenza Virus, A/Brisbane/10/2007 (H3N2), Recombinant from Baculovirus**

**Catalog No. NR-50437**

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

**Product Description:** A recombinant form of the H3 hemagglutinin (HA) protein from influenza A virus, A/Brisbane/10/2007 (H3N2) containing a C-terminal histidine tag was produced in Sf9 insect cells using a baculovirus expression vector system and was purified by nickel affinity chromatography.

**Lot: 2085**

**Manufacturing Date: 07APR2017**

| TEST  | SPECIFICATIONS  | RESULTS   |
|---|---|---|
| <b>Appearance</b>   | Clear and colorless   | Clear and colorless   |
| <b>SDS-PAGE</b>   | Protein band of interest represents $\geq 95\%$ of total staining intensity | Dominant band of ~ 80 kDa accounts for ~ 95% of total staining intensity (Figure 1) |
| <b>Concentration by Bradford Assay<sup>1</sup></b>  | Report results  | 552 $\mu\text{g}$ per mL  |
| <b>Final Product</b><br>Quantity per vial<br>Volume per vial  | Report results<br>Report results  | 110 $\mu\text{g}$<br>200 $\mu\text{L}$  |
| <b>Functional Activity</b><br>Western blot analysis<br>Polyclonal anti-H3 HA <sup>2</sup><br>Monoclonal anti-histidine tag <sup>3</sup> | Reactive<br>Reactive  | Reactive (Figure 2)<br>Reactive (Figure 3)  |
| <b>Endotoxin Content (Limulus Amoebocyte Lysate Assay)</b>  | Report results  | < 9.6 EU per mg   |
| <b>Filtration</b>   | 0.2 $\mu\text{m}$ sterile-filtered  | 0.2 $\mu\text{m}$ sterile-filtered  |

<sup>1</sup>Using BSA as a standard

<sup>2</sup>Immune Technology Corp. (Cat. No. IT-003-Ref-H3(Wis/2005)) (1:1000 dilution)

<sup>3</sup>R & D Systems® (Cat. No. MAB050) (IgG1) (1:1000 dilution)

**Date:** 03 JUL 2017

**Signature:** 

BEI Resources Authentication

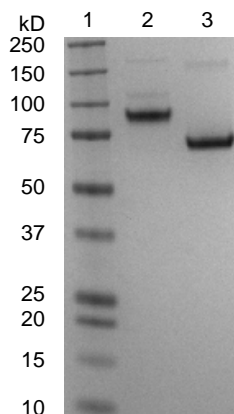
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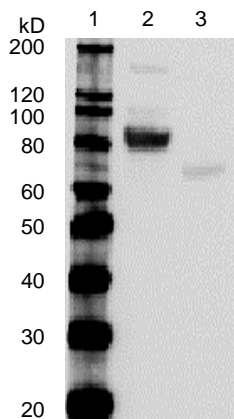


Figure 1: SDS-PAGE



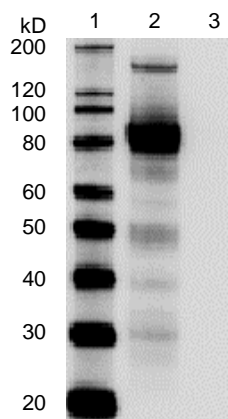
Lane 1: Precision Plus Protein™ Standard  
 Lane 2: NR-50437, 1.0 µg  
 Lane 3: BSA, 1.0 µg

Figure 2: Western Blot with Polyclonal Anti-H3 HA



Lane 1: MagicMark™ XP Protein Standard  
 Lane 2: NR-50437, 1.0 µg  
 Lane 3: BSA, 1.0 µg

Figure 3: Western Blot with Monoclonal Anti-Histidine Tag



Lane 1: MagicMark™ XP Protein Standard  
 Lane 2: NR-50437, 1.0 µg  
 Lane 3: BSA, 1.0 µg