

**H3 Hemagglutinin (HA) Protein with C-Terminal Histidine Tag from Influenza Virus, A/Perth/16/2009 (H3N2), Recombinant from Baculovirus**

**Catalog No. NR-49734**

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/Perth/16/2009 (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: 63807323**

**Manufacturing Date: 18DEC2015**

TEST	SPECIFICATIONS	RESULTS
<b>Appearance</b>	Clear and colorless	Clear and colorless
<b>Purity by SDS-PAGE Densitometry Scan</b>	Protein band of interest represents > 90% of total staining intensity	Dominant band of ~ 80 kDa accounts for > 90% of total staining intensity (Figure 1)
<b>Concentration by Bicinchoninic Acid Protein Assay<sup>1</sup></b>	Report results	1.22 mg per mL
<b>Final Product</b> Quantity per vial Volume per vial	Report results Report results	122 µg 100 µL
<b>Identification by Western Blot</b> Polyclonal anti-H3 HA <sup>2</sup> Monoclonal anti-histidine tag <sup>3</sup>	Reactive Reactive	Reactive (Figure 2) Reactive (Figure 3)
<b>Glycan Analysis</b>	Size reduction of HA bands observed on SDS-PAGE when treated with de-glycosylating enzyme N-glycosidase F	Size reduction of HA bands observed on SDS-PAGE when treated with de-glycosylating enzyme N-glycosidase F (Figure 4)
<b>Endotoxin Content (Limulus Amoebocyte Lysate Assay)</b>	Report results	< 0.82 EU per mg
<b>Filtration</b>	0.2 µm sterile-filtered	0.2 µm sterile-filtered

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

<sup>2</sup>abcam® (Cat. No. Ab66187) (1:1000 dilution)

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

**Date:** 25 FEB 2016

**Signature:**



BEI Resources Authentication

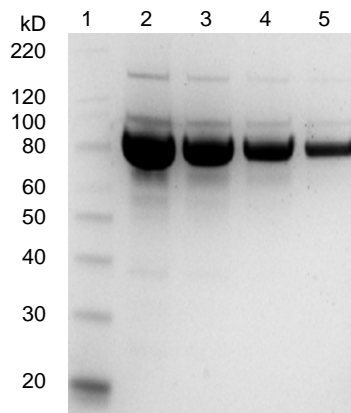
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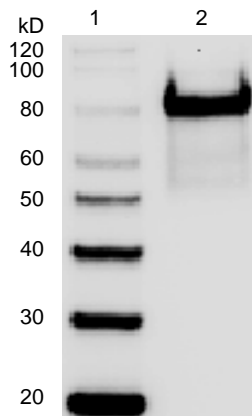


Figure 1: SDS-PAGE



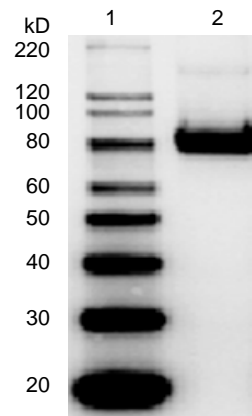
Lane 1: MagicMark™ XP Protein Standard  
 Lane 2: NR-49734 10 µL  
 Lane 3: NR-49734 5 µL  
 Lane 4: NR-49734 2.5 µL  
 Lane 5: NR-49734 1.25 µL

Figure 2: Western Blot with Polyclonal Anti-H3 HA



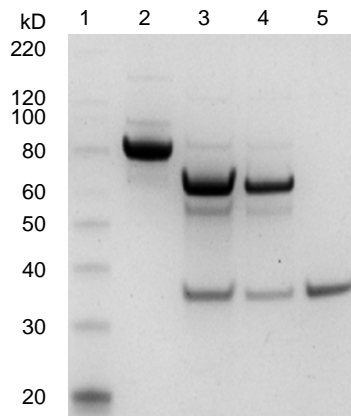
Lane 1: MagicMark™ XP Protein Standard  
 Lane 2: NR-49734, 1 µL

Figure 3: Western Blot with Monoclonal Anti-Histidine Tag



Lane 1: MagicMark™ XP Protein Standard  
 Lane 2: NR-49734, 1 µL

Figure 4: Glycan Analysis



Lane 1: MagicMark™ XP Protein Standard  
 Lane 2: NR-49734 (before PNGase F), 3.0 µg  
 Lane 3: NR-49734, (after PNGase F), 3.0 µg  
 Lane 4: NR-49734, (after PNGase F), 1.5 µg  
 Lane 5: PNGase F enzyme only