

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 octa-histidine tag was produced in Sf9 insect cells using a baculovirus expression vector system and was purified by nickel affinity chromatography.

Lot: 70026659

Manufacturing Date: 13DEC2019

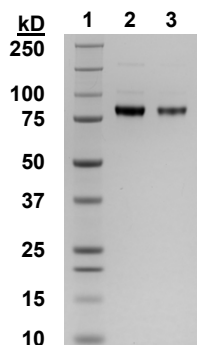
TEST	SPECIFICATIONS	RESULTS
Appearance	Clear and colorless	Clear and colorless
SDS-PAGE (Coomassie Blue densitometer scan)	Protein band of interest represents > 90% of total staining intensity	Protein band of interest represents > 90% of total staining intensity (Figure 1)
Protein Concentration by Bicinchonic Acid Assay Bovine Serum Albumin (standard)	Report results	1.3 mg per mL
Final Product Amount per vial Volume per vial	Report results Report results	156 µg 120 µL
Functional Activity by Western Blot Analysis Monoclonal anti-histidine tag ¹ Monoclonal anti-H3 HA ²	Reactive Reactive	Reactive (Figure 2) Reactive (Figure 3)
Glycan Analysis	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)
Endotoxin Content Limulus Amoebocyte Lysate Assay ³	< 1000 EU per mg	< 3.5 EU per mg
Filtration	0.2 µm sterile-filtered	0.2 µm sterile-filtered

¹Takara Bio® Cat. No. 631212 (1:1000 dilution)

²Abcam® Cat. No. ab66187 (1:1000 dilution)

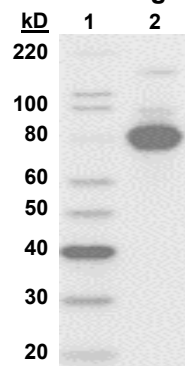
³Endosafe PTS Cartridge, Charles River Laboratories, Inc., catalog no. PTS2005F

Figure 1: SDS-PAGE Analysis



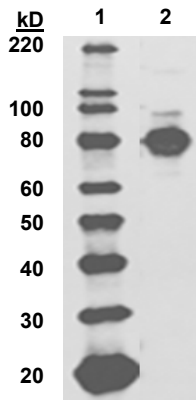
Lane 1: Precision Plus Protein™ Standard
Lane 2: NR-49734 (1 µg)
Lane 3: NR-49734 (0.5 µg)

Figure 2: Anti-Histidine Tag Western Blot Analysis



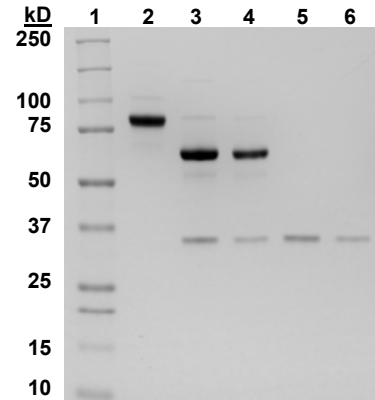
Lane 1: MagicMark™ XP Protein Standard
Lane 2: NR-49734 (1 µg)

Figure 3: Anti-H3 HA Western Blot Analysis



Lane 1: MagicMark™ XP Protein Standard
Lane 2: NR-49734 (1 µg)

Figure 4: Glycan Analysis



Lane 1: Precision Plus Protein™ Standard
Lane 2: NR-49734 (1 µg)
Lane 3: NR-49734 (1 µg) + PNGase F
Lane 4: NR-49734 (0.5 µg) + PNGase F
Lane 5: PNGase F (200 U)
Lane 6: PNGase F (100 U)

/Heather Couch/

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26 MAR 2020

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