

H1 Hemagglutinin (HA) Protein with C-Terminal Histidine Tag from Influenza Virus, A/Brisbane/59/2007 (H1N1), Recombinant from Baculovirus

Catalog No. NR-28607

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

Product Description: A recombinant form of the H1 hemagglutinin (HA) protein from influenza A virus, A/Brisbane/59/2007 (H1N1) containing a C-terminal histidine tag was produced in High Five™ insect cells using a baculovirus expression vector system and was purified by nickel affinity chromatography.

Lot: 59900054

Manufacturing Date: 11APR2011

TEST	SPECIFICATIONS	RESULTS
Appearance	Clear and colorless	Clear and colorless
SDS-PAGE	Report results	Theoretical MW ~ 63 kDa Dominant band of ~ 75 kDa observed (Figure 1): difference likely due to post-translational modification
Experion Pro260 Analysis	> 95% pure	100% pure
Concentration by Bradford Assay¹	Report results	441 µg per mL
Final Product Quantity per vial Volume per vial	Report results Report results	75.0 µg 170 µL
Functional Activity Hemagglutination activity using 0.5% chicken and turkey red blood cells Western blot analysis Polyclonal anti-H1 HA ² Monoclonal anti-histidine tag ³	Report results Reactive Reactive	Negative using chicken red blood cells; positive using turkey red blood cells Reactive (Figure 2) Reactive (Figure 3)
Filtration	Report results	0.45 µm filtered

¹Using BSA as a standard

²Immune Technology Corp. (Cat. No. IT-003-001)

³R & D Systems® (Cat. No. MAB050) (IgG₁)

Date: 27 JUN 2017

Signature: 

BEI Resources Authentication

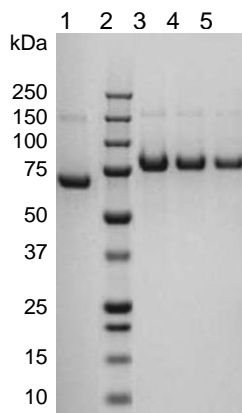
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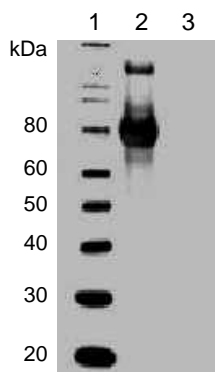


Figure 1 – SDS-PAGE



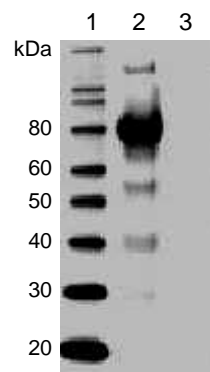
Lane 1: 2 µg BSA
 Lane 2: Precision Plus Protein™ All Blue Standards
 Lane 3: 3 µg NR-28607
 Lane 4: 2 µg NR-28607
 Lane 5: 1 µg NR-28607

Figure 2 – Western Blot with Polyclonal Anti-H1 HA



Lane 1: MagicMark™ XP Western Protein Standard
 Lane 2: 1 µg NR-28607
 Lane 3: 1 µg BSA

Figure 3 – Western Blot with Monoclonal Anti-Histidine Tag



Lane 1: MagicMark™ XP Western Protein Standard
 Lane 2: 1 µg NR-28607
 Lane 3: 1 µg BSA