

H13 Hemagglutinin (HA) Protein from Influenza A Virus, A/laughing gull/Delaware Bay/451/2018 (H13N6), Recombinant from Baculovirus

Catalog No. NR-58707

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

Product Description:

A recombinant form of the ectodomain of the H13 hemagglutinin (HA) protein from influenza A virus, A/laughing gull/Delaware Bay/451/2018(H13N6) [also referred to as A/laughing gull/DE/451/2018(H13N6)], with a hexa-histidine tag was produced in Sf9 insect cells using a baculovirus expression vector system and purified using ion exchange and affinity chromatography. This lot was manufactured and subjected to quality control testing by St. Jude Children's Research Hospital (SJCRH), Memphis, Tennessee, USA.

Note: The geographical origin (Delaware Bay) of the virus is missing on the vial label.

Lot: 70055819

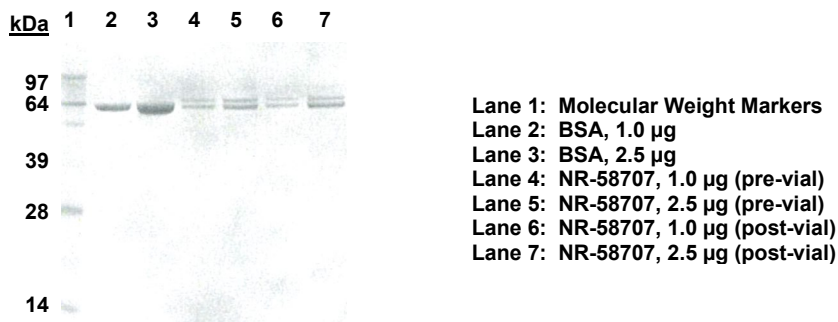
Manufacturing Date: 23SEP2022

TEST	SPECIFICATIONS	RESULTS
Appearance	Report results	Opalescent
SDS-PAGE Analysis	Report results	Major bands of ~ 66 and 64 kDa (Figure 1) ¹
Concentration by Bicinchoninic Acid Assay Bovine Serum Albumin (BSA; standard)	Report results	0.71 mg per mL
Final Product Amount per vial Volume per vial	Report results Report results	178 µg 250 µL
Functional Activity Hemagglutination activity using 0.5% chicken red blood cells Western blot analysis with polyclonal anti-HA ²	Report results Report results	Positive (1:32) Reactive (Figure 2)
Filtration	0.2 µm sterile-filtered	0.2 µm sterile-filtered
Endotoxin	Report results	≤ 0.5 EU per mL

¹The band microheterogeneity is likely due to post-translational modification, e.g., glycosylation.

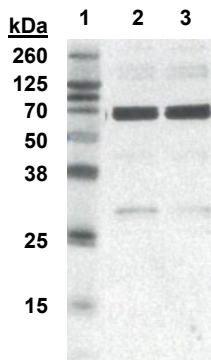
²Using a 1:2000 dilution of anti-HA polyclonal rabbit antiserum R.79.2 against A/laughing gull/Maryland/704/1977 influenza virus as primary antibody.

Figure 1: SDS-PAGE



Certificate of Analysis for NR-58707

Figure 2: Western Blot with Polyclonal Anti-HA



Lane 1: Molecular Weight Markers
Lane 5: NR-58707, 2.5 µg (pre-vial)
Lane 7: NR-58707, 2.5 µg (post-vial)

/Sonia Bjorum Brower/
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16 DEC 2022

Technical Manager or designee, ATCC Federal Solutions

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