

H5 Hemagglutinin (HA) Protein from Influenza Virus, A/bar-headed goose/Qinghai/1A/2005 (H5N1), Recombinant from Baculovirus

Catalog No. NR-9666

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Product Description: H5 hemagglutinin (HA) protein from influenza virus A/bar-headed goose/Qinghai/1A/2005 (H5N1) is a full-length glycosylated recombinant protein that was produced in Sf9 insect cells using a baculovirus expression vector system.¹ Recombinant H5 HA protein was purified under conditions that preserve its biological activity and tertiary structure.

Lot: 58506013

Manufacturing Date: FEB2008

TEST	SPECIFICATIONS	RESULTS
SDS-PAGE (Coomassie Blue densitometer scan)	Report results	HA bands (HA0, HA1, HA2) account for > 90% of total density
Protein Concentration by Bicinchoninic Acid Assay	Report results	550 µg per mL (FEB2008)
Functional Activity		
Hemagglutination titer using 0.5% chicken red blood cells	Report results	1:5120
Hemagglutination inhibition (HI) assay ² using polyclonal antiserum to 16 HA subtypes ²	Specific to H5 HA subtype	Specific to H5 HA subtype
HI titers ² using polyclonal antiserum to H5 HA subtype A/Vietnam/1203/2004 (H5N1) goat antiserum	Report results	1:640
A/Vietnam/1203/2004 (H5N1) & A/Hong Kong/213/2003 (H5N1) goat antiserum ³	Report results	1:1280
HI titers ² using monoclonal antibody to H5 HA subtype A/Vietnam/1203/2004 (H5N1) antibody (VN04-8)	Report results	1:12800
A/Vietnam/1203/2004 (H5N1) antibody (VN04-13)	Report results	1:12800
A/Vietnam/1203/2004 (H5N1) antibody (VN04-16)	Report results	1:3200
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized
Endotoxin Content	Report results	< 12.5 EU per mL

¹U.S. Patent Numbers 5,762,939 and 6,103,526

²Serum samples were incubated overnight with receptor-destroying enzyme and heated for 30 minutes at 56°C.

³BEI Resources NR-2706

Date: 01 MAY 2014

Signature: 

Title: Technical Manager, BEI Authentication or designee

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