

Active Recombinant Influenza A H7N8 (A/mallard/Netherlands/33/2006) HA protein(Met1-Phe535), His-tagged

Cat. No. HA-3246V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A H7N8 (A/mallard/Netherlands/33/2006) HA protein(ACR59554.1)(Met1-Phe535), fused with His tag, was expressed in Insect Cells.
Species	Influenza A H7N8 (A/mallard/Netherlands/33/2006)
Source	Insect Cells
ProteinLength	Met1-Phe535
Form	Lyophilized from sterile 20 mM, Tris 500 mM NaCl, 10 % glycerol, pH 8.0. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	1. Measured by its ability to bind with Neu5Aca2-3Galb1-4GlcNAcb-PAA-biotin (01-07 7) using the Octet RED System. 2. Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 30-300 ng/mL for 1% GRBC.
Molecular Mass	The recombinant hemagglutinin of Influenza A virus (A/mallard/Netherlands/33/2006(H7N8)) comprises 528 amino acids and has a predicted molecular mass of 59 kDa. The apparent molecular mass of the protein is approximately 59 kDa in SDS-PAGE under reducing conditions.

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Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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