Active Recombinant Influenza A virus H9N2(A/Hong Kong/35820/ 2009) HA protein(Met1-Lys523), His-tagged

Cat. No. HA-700V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A virus (A/Hong Kong/35820/ 2009(H9N2)) hemagglutinin (ADC41853.1) (Met1-Lys523) was expressed in Insect Cells with a C-terminal polyhistidine tag.
Species	H9N2
Source	Insect Cells
ProteinLength	Met1-Lys523
Form	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 8.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its ability to bind with Neu5Aca2-3Galb1-4GlcNAcb-PAA-biotin (01-077) using the Octet RED System. 2. Measured by its ability to bind with Neu5Aca2-6GalNAca-PAA-biotin (01-059) using the Octet RED System. 3. Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 0.2-0.8 ng/mL for 1% GRBC.
Molecular Mass	The recombinant hemagglutinin of Influenza A virus (A/Hong Kong/35820/ 2009(H9N2)) comprises 516 amino acids and has a predicted molecular mass of 58.5 kDa. The apparent molecular mass of the protein is approximately 59.6 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	> 95 % 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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