Active Recombinant Influenza A H7N9 (A/Shanghai/2/2013) HA protein(Met1-Val524), His-tagged

Cat. No. HA-3322V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A virus (A/Shanghai/2/2013(H7N9)) hemagglutinin (translated amino acid of EPI439502) (Met1-Val524) was expressed in Insect Cells with a C-terminal polyhistidine tag.
Species	H7N9
Source	Insect Cells
ProteinLength	Met1-Val524
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 0.3-3 μg/mL for 1% GRBC. 2. Measured by its ability to bind with Neu5Aca2-3Galb1-4GlcNAcb-PAA-biotin (01-077) using the Octet RED System. 3. Measured by its ability to bind with Neu5Aca2-6GalNAca-PAA-biotin (01-059) using the Octet RED System.
Molecular Mass	The recombinant hemagglutinin of Influenza A virus (A/Shanghai/2/2013(H7N9)) comprises 517 amino acids and has a predicted molecular mass of 57.6 kDa. The apparent molecular mass of the protein is approximately 58 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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