

# Active Recombinant Influenza A H7N9 (A/Hangzhou/3/2013) HA protein(Met1-Val524), His-tagged

Cat. No. HA-3307V Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Influenza A virus (A/Hangzhou/3/2013(H7N9)) hemagglutinin (EPI442713) (Met1-Val524) was expressed in Insect Cells with a C-terminal polyhistidine tag.
<b>Species</b>	H7N9
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	Met1-Val524
<b>Form</b>	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.
<b>Bio-activity</b>	1. Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 0.06-0.6 µg/mL for 1% GRBC. It also agglutinates chick red blood cells. 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.
<b>Molecular Mass</b>	The recombinant hemagglutinin of Influenza A virus (A/Hangzhou/3/2013(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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<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	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.
<b>Reconstitution</b>	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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