

Active Recombinant Influenza A H7N9 (A/Shanghai/4664T/2013) HA protein, His-tagged

Cat. No. HA-1591I Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A H7N9 (A/Shanghai/4664T/2013) HA protein, His-tagged Recombinant Influenza A H7N9 (A/Shanghai/4664T/2013) HA protein (AGI60292.1)(Met1-Val524), fused with His tag, was expressed in Insect Cells.
Species	Influenza A H7N9 (A/Shanghai/4664T/2013)
Source	Insect Cells
Protein Length	Met1-Val524
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.
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 agglutinate guinea pig red blood cells. HA titer is 0.1-0.6 µg/mL for 1% GRBC.
Molecular Mass	The recombinant hemagglutinin of Influenza A virus (A/Shanghai/4664T/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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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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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