

## Active Recombinant Influenza A H7N9 (A/Pigeon/Shanghai/S1069/2013) HA protein, His-tagged

Cat. No. HA-0376H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Influenza A H7N9 (A/Pigeon/Shanghai/S1069/2013) HA protein(Met1-Val524)(EPI440701), fused with His tag, was expressed in Insect Cells.

**Species** Influenza A H7N9 (A/Pigeon/Shanghai/S1069/2013)

**Source** Insect Cells

**ProteinLength** Met1-Val524

**Form** Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 7.4. 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 agglutinate guinea pig red blood cells. HA titer is 0.1-0.6 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/Pigeon/Shanghai/S1069/2013(A/H7N9)) comprises 517 amino acids and has a predicted molecular mass of 57.7 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<br>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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