

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

Cat. No. HA-647V Lot. No. (See product label)

### SPECIFICATION

|                             |  |
|-----------------------------|--|
| <b>Product Overview</b>     | Recombinant Influenza A virus (A/Shanghai/4664T/2013(H7N9)) hemagglutinin (AGI60292.1) (Met1-Val524) was expressed with a C-terminal polyhistidine tag.  |
| <b>Species</b>              | H7N9   |
| <b>Source</b>               | Insect Cells   |
| <b>ProteinLength</b>        | 1-524 a.a.   |
| <b>Predicted N Terminal</b> | Asp 19   |
| <b>Form</b>                 | Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 8.0, 5%~8% trehalose and mannitol.   |
| <b>Bio-activity</b>         | 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.  |
| <b>Molecular Mass</b>       | 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. |
| <b>Endotoxin</b>            | < 1.0 EU per µg of the protein as determined by the LAL method.  |

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|-----------------------|--|
| <b>Purity</b>         | >95 % as determined by SDS-PAGE.   |
| <b>Stability</b>      | Samples are stable for up to twelve months from date of receipt at -70°C.  |
| <b>Storage</b>        | Store it under sterile conditions at -20°C~-70°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 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |

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