

## Active Recombinant H1N1 (A/England/195/2009) HA Protein, His-tagged

**Cat. No.** HA-791V    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Influenza A virus (A/England/195/2009 (H1N1)) hemagglutinin (ACR15621.1) (Met1-Gln529), termed as HA, was expressed with a polyhistidine tag at the C-terminus. |
| <b>Species</b>              | H1N1                                                                                                                                                                        |
| <b>Source</b>               | Insect Cells                                                                                                                                                                |
| <b>ProteinLength</b>        | 1-529 a.a.                                                                                                                                                                  |
| <b>Predicted N Terminal</b> | Asp 18                                                                                                                                                                      |
| <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>         | Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 1-4µg/mL for 1% GRBC.                                                                        |
| <b>Molecular Mass</b>       | The recombinant virus HA consists 523 amino acids and predicts a molecular mass of 58.9 kDa.                                                                                |
| <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                                                                                                                                             |

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|                       |                                                                                                                                                                                |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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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