

## Active Recombinant H1N1 (A/NewJersey/8/1976) HA Protein, His-tagged

**Cat. No.** HA-775V    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                            |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Influenza A virus (A/NewJersey/8/1976(H1N1)) hemagglutinin (ACU80014.1) (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 0.5-2.5µg/mL for 1% GRBC.                                                                   |
| <b>Molecular Mass</b>       | The recombinant HA1 subunit of the Influenza A virus (A/NewJersey/8/1976(H1N1)) 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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