

## Active Recombinant H5N8 (A/turkey/Ireland/1378/1983) HA Protein, His-tagged

**Cat. No.** HA-692V    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                 |
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| <b>Product Overview</b>     | Recombinant Influenza A virus (A/turkey/Ireland/1378/1983(H5N8)) hemagglutinin (ABI85117.1) (Met1-Gln527), termed as HA, was expressed with a polyhistidine tag at the C-terminus.                                                                              |
| <b>Species</b>              | H5N8                                                                                                                                                                                                                                                            |
| <b>Source</b>               | Insect Cells                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>        | 1-527 a.a.                                                                                                                                                                                                                                                      |
| <b>Predicted N Terminal</b> | Asp 17                                                                                                                                                                                                                                                          |
| <b>Form</b>                 | Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.4, 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 bind with Neu5Aca2-6GaINaca-PAA-biotin (01-059) using the Octet RED System. 3. Measured by its ability to agglut |
| <b>Molecular Mass</b>       | The recombinant HA subunit of the Influenza A virus (A/turkey/Ireland/1378/1983(H5N8)) consists 522 amino acids and predicts a molecular mass of 59.4 kDa.                                                                                                      |
| <b>Endotoxin</b>            | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                                                 |

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|                       |                                                                                                                                                                                |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | >90 % 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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