

## Recombinant Influenza A H3N2 (A/District of Columbia/27/2023) HA protein, His-tagged

**Cat. No.** HA-7331V    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Influenza A H3N2 (A/District of Columbia/27/2023) HA protein(translated amino acids of EPI2990337), was expressed in Insect Cells with the bacteriophage T4 fibrin and a polyhistidine tag at the C-terminus.                                                                                                                                                                                                               |
| <b>Species</b>          | Influenza A H3N2 (A/District of Columbia/27/2023)                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | Lyophilized from sterile 25 mM sodium citrate, 200 mM NaCl, 0.02% tween80, pH 6.0.                                                                                                                                                                                                                                                                                                                                                      |
| <b>Bio-activity</b>     | 1.Immobilized Recombinant Influenza A H3N2(A/District of Columbia/27/2023)HA Protein(His Tag) at 2 µg/mL (100 µL/well) can bind a broadly neutralizing influenza HA stem-specific antibody, the EC50 is 5-15 ng/mL. 2.Immobilized Recombinant Influenza A H3N2(A/District of Columbia/27/2023)HA Protein(His Tag) at 2 µg/mL (100 µL/well) can bind a broadly neutralizing influenza HA stem-specific antibody, the EC50 is 3-10 ng/mL. |
| <b>Molecular Mass</b>   | The recombinant Influenza A virus ((A/District of Columbia/27/2023) (H3N2))Hemagglutinin / HA comprises 558 amino acids and has a predicted molecular mass of 62.41 kDa. It migrates as an approximately 73.8 kDa band in SDS-PAGE under reducing conditions.                                                                                                                                                                           |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                                                                                                                                                                                                                                                                                |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                                                                                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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. 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.                                                                   |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA