

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

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

SPECIFICATION

Product Overview	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.
Species	Influenza A H3N2 (A/District of Columbia/27/2023)
Source	Insect Cells
Form	Lyophilized from sterile 25 mM sodium citrate, 200 mM NaCl, 0.02% tween80, pH 6.0.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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Purity	≥ 95 % as determined by SDS-PAGE.
Storage	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.
Reconstitution	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.

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