

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

Cat. No. HA-2023I **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A H3N2 (A/District of Columbia/27/2023) HA protein(EPI2990337)(1-521 aa), fused with C-terminal His tag, was expressed in HEK293.
Species	Influenza A H3N2 (A/District of Columbia/27/2023)
Source	HEK293
ProteinLength	1-521 aa
Form	Lyophilized from sterile PBS, pH 7.4, 5% Trehalose, 5% Mannitol, 0.01% Tween-80.
Bio-activity	1.Immobilized Recombinant Influenza A H3N2 HA Protein (His Tag) at 2 µg/mL (100 µL/well) can bind a broadly neutralizing influenza HA stem-specific antibody, the EC50 is 8-25 ng/mL. 2.Immobilized Recombinant Influenza A H3N2 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.
Molecular Mass	The recombinant Influenza A virus (A/District of Columbia/27/2023 (H3N2)) hemagglutinin comprises 558 amino acids and has a predicted molecular mass of 62.41 kDa. It migrates as approximately 83.6 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per

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	µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Storage	Store it under sterile conditions at -20 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 0.25 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Activity	

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