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

Cat. No. HA-7332V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Influenza A H3N2 (A/District of Columbia/27/2023) HA protein(translated amino acids of EPI2990337), termed as HA, was expressed with the bacteriophage T4 fibritin and a C-terminal polyhistidine tag followed by an AVI tag.
Species	H3N2
Source	HEK293
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Immobilized Anti-Influenza HA (Research Grade Clone CR9114) at 2 μg/mL (100 μL/well) can bind Recombinant Influenza A H3N2 HA trimer Protein (His & AVI Tag), Biotinylated, the EC50 is 2-6 ng/mL.
Molecular Mass	The recombinant Influenza A H3N2 (A/District of Columbia/27/2023) Hemagglutinin consists of 585 amino acids and predicts a molecular mass of 64.55 kDa. It migrates as an approximately 90.4 kDa band in SDS-PAGE under reducing conditions. The molecular weight of this protein is around 247.5 kDa verified by SEC-MALS.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	≥ 90 % as determined by SDS-PAGE. ≥ 90 % as determined by SEC-MALS.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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.

GENE INFORMATION

Official Symbol	HA

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