

Recombinant Influenza A H3N2 (A/District of Columbia/27/2023) HA1 protein, His-tagged

Cat. No. HA1-4858V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A H3N2 (A/District of Columbia/27/2023) HA1 protein(EPI2990337) (Met1-Arg345), was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Influenza A H3N2 (A/District of Columbia/27/2023)
Source	HEK293
ProteinLength	1-345 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Molecular Mass	The recombinant HA1 subunit of influenza A H3N2 HA (A/District of Columbia/27/2023 (H3N2)) consists of 340 amino acids and predicts a molecular mass of 37.84 kDa. As a result of glycosylation, it migrates as an approximately 62.6 kDa band in SDS-PAGE under reducing conditions. The molecular weight of this protein is around 55.9 kDa verified by SEC-MALS.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	≥ 95 % as determined by SDS-PAGE. ≥ 95 % as determined by SEC-HPLC. ≥ 95 % as determined by SEC-MALS.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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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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