Recombinant Influenza A H1N1 (A/Wisconsin/67/2022) HA Trimer protein, His-tagged

Cat. No. HA-4634V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A H1N1 (A/Wisconsin/67/2022) HA Trimer protein(translated amino acids of EPI2224788) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Influenza A H1N1 (A/Wisconsin/67/2022)
Source	HEK293
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Immobilized Anti-H1N1 Antibody at 2 μg/mL (100 μL/well) can bind Recombinant Influenza A H1N1 (A/Wisconsin/67/2022) HA Trimer Protein (His Tag), the EC50 is 1.5-5 ng/mL.
Molecular Mass	The recombinant Influenza A virus ((A/Wisconsin/67/2022) (H1N1))Hemagglutinin / HA comprises 521 amino acids and has a predicted molecular mass of 58.79 kDa. It migrates as an approximately 74.5 kDa band in SDS-PAGE under reducing conditions. The molecular weight of this protein is around 167.3 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. ≥ 90 % as determined by SEC-MALS.

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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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