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

Cat. No. HA-4633V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A H1N1 (A/Wisconsin/67/2022) HA protein(translated amino acids of EPI2224788) (Met1-Ile530) was expressed in Insect Cells with the bacteriophage T4 fibritin and a polyhistidine tag at the C-terminus.
Species	Influenza A H1N1 (A/Wisconsin/67/2022)
Source	Insect Cells
ProteinLength	1-530 aa
Form	Lyophilized from sterile 20mM Tris, 10% glycerol, 300mM NaCl, pH 8.0.
Bio-activity	Measured by its ability to agglutinate guinea pig red blood cells.HA titer is 0.05-0.4μg/mL for 1%GRBC.
Molecular Mass	The recombinant Influenza A virus ((A/Wisconsin/67/2022) (H1N1))Hemagglutinin / HA comprises 561 amino acids and has a predicted molecular mass of 63.3 kDa. It migrates as an approximately 72.24 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	≥ 90 % as determined by SDS-PAGE.

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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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