

Recombinant Influenza A [Sydney/5/2021 (H1N1)] HA protein, His-tagged

Cat. No. HA-571H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A [Sydney/5/2021 (H1N1)] HA protein(EPI2222932, GISAID)(Asp 18 - Leu 531) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Influenza A [Sydney/5/2021 (H1N1)]
Source	HEK293
ProteinLength	18-531 aa
Form	Lyophilized from 0.22 µm filtered solution in 0.1 M Sodium citrate, pH5.5 with trehalose as protectant.
Bio-activity	The His-tagged HA protein from Influenza A strain Sydney/5/2021 (H1N1) immobilized at 1 µg/mL (100 µL/well) demonstrates specific binding to human anti-HA (H1N1) monoclonal antibody 3E1, showing linear dose-dependency within the antibody concentration range of 0.001-0.025 µg/mL.
Molecular Mass	The protein has a calculated MW of 63.1 kDa.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE. >90% as determined by SEC-MALS.

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Storage

-20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

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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