

Active Recombinant Influenza A [A/Wisconsin/588/2019 (H1N1)] HA protein, His-tagged

Cat. No. HA-1542I **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A [A/Wisconsin/588/2019 (H1N1)] HA protein(Asp18-Ile530), fused with His tag, was expressed in HEK293.
Species	Influenza A [A/Wisconsin/588/2019 (H1N1)]
Source	HEK293
ProteinLength	18-530 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS with trehalose as protectant.
Bio-activity	Immobilized Influenza A [A/Wisconsin/588/2019 (H1N1)] HA, His Tag at 1 µg/mL (100 µL/well) can bind Human Anti-HA (H1N1) antibody 3E1 with a linear range of 0.2-4 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminusThe protein has a calculated MW of 63.1 kDa. The protein migrates as 75-85 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Asp18-Ile530
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.

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Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -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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