

# Recombinant Influenza A H1N1 (A/Wisconsin/67/2022) HA1 protein, His-tagged

**Cat. No.** HA1-4855V    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                            |
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| <b>Product Overview</b> | Recombinant Influenza A H1N1 (A/Wisconsin/67/2022) HA1 protein(EPI2224788) (Met1-Arg344), was expressed in HEK293 with a C-terminal polyhistidine tag.                                                                                                                     |
| <b>Species</b>          | Influenza A H1N1 (A/Wisconsin/67/2022)                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 1-344 aa                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | The recombinant HA1 subunit of influenza A H1N1 HA (A/Wisconsin/67/2022 (H1N1)) consists of 338 amino acids and predicts a molecular mass of 37.87 kDa. As a result of glycosylation, it migrates as an approximately 57.6 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                                                                                                                   |
| <b>Purity</b>           | ≥ 90 % as determined by SDS-PAGE. ≥ 90 % as determined by SEC-HPLC.                                                                                                                                                                                                        |
| <b>Storage</b>          | 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.                            |

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**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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