

# Recombinant Influenza A H1N1 (A/Ohio/UR06-0091/2007) HA protein, His-tagged

**Cat. No.** HA-1575I    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Influenza A H1N1 (A/Ohio/UR06-0091/2007) HA protein, His-tagged<br>Recombinant Influenza A H1N1 (A/Ohio/UR06-0091/2007) HA protein (ABW40422.1) (Met1-Gln528), fused with His tag, was expressed in HEK293.                                                                        |
| <b>Species</b>          | Influenza A H1N1 (A/Ohio/UR06-0091/2007)                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                         |
| <b>Protein Length</b>   | Met1-Gln528                                                                                                                                                                                                                                                                                    |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4<br>Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                   |
| <b>Molecular Mass</b>   | The secreted recombinant influenza A H1N1 HA (A/Ohio/UR06-0091/2007 (H1N1)) comprises 522 amino acids and has a predicted molecular mass of 59 kDa. As a result of glycosylation, the apparent molecular mass of the protein is approximately 70-90 kDa in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                                                                 |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                                                                               |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.                                                                                                                                                                                                             |

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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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