Recombinant H1N1 HA protein(Met1-Arg344), His-tagged

Cat. No. HA-657V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A H1N1 hemagglutinin (A/California/04/2009 (H1N1)) (ACP41105.1)(Met 1-Arg 344), termed as HA1, was expressed in HEK293, fused with a C-terminal polyhistidine tag.
Species	H1N1
Source	HEK293
ProteinLength	1-344 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The secreted recombinant HA1 subunit of H1N1 HA (A/California/04/2009 (H1N1)) comprises 338 amino acids with the predicted molecular mass of 38 kDa. As a result of glycosylation, it migrates as an approximately 50-60 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 97 % as determined by SDS-PAGE
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.

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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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