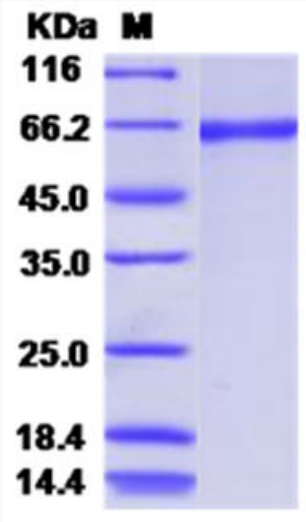
Active Recombinant H1N1 (A/California/07/2009) HA Protein, His-tagged

Cat. No. HA-297V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant H1N1 (A/California/07/2009) HA Protein(ACP41953.1) (Met1-Gln529), termed as HA, was expressed in Insect Cells with a polyhistidine tag at the C-terminus.
Species	H1N1
Source	Insect Cells
ProteinLength	1-529 aa
Form	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 8.0.
Bio-activity	1. Measured by its ability to bind with Neu5Aca2-3Galb1-4GlcNAcb-PAA-biotin (01-077) using the Octet RED System. 2. Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 1-6 μg/mL for 1% GRBC.
Molecular Mass	The recombinant hemagglutinin of Influenza A virus (A/California/07/2009(H1N1))] consists 523 amino acids and predicts a molecular mass of 59 kDa.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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	aliquot the protein into smaller quantities 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.
SDS-PAGE	

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