

## Active Recombinant H1N1 (A/California/06/2009) HA Protein, His-tagged

Cat. No. HA-750V Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Influenza A virus (A/California/06/2009) hemagglutinin (ACP41935.1) (Met1-Gln529), termed as HA, was expressed with a polyhistidine tag at the C-terminus.
<b>Species</b>	H1N1
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	1-529 a.a.
<b>Predicted N Terminal</b>	Asp 18
<b>Form</b>	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 8.0, 5%~8% trehalose and mannitol.
<b>Bio-activity</b>	Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 1-4µg/mL for 1% GRBC.
<b>Molecular Mass</b>	The recombinant hemagglutinin of Influenza A virus (A/California/06/2009) consists 523 amino acids and predicts a molecular mass of 58.9 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	>90 % as determined by SDS-PAGE.


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<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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