

# Active Recombinant H1N1 (A/USSR/90/77) HA Protein, His-tagged


**Cat. No.** HA-656V    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Influenza A virus (A/USSR/90/77(H1N1)) hemagglutinin (P03453.2) (Met1-Gln529) was expressed with a C-terminal polyhistidine tag.
<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 8.5, 5%~8% trehalose and mannitol.
<b>Bio-activity</b>	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 0.01-0.04 µg/mL for 1% GRBC.
<b>Molecular Mass</b>	The recombinant hemagglutinin of Influenza A virus (A/USSR/90/1977(H1N1)) comprises 523 amino acids and has a predicted molecular mass of 59.4 kDa. The apparent molecular mass of the protein is approximately 65.3 kDa in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.

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<b>Purity</b>	>95 % as determined by SDS-PAGE.
<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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