

## Active Recombinant H1N1 HA, His-tagged

Cat. No. HA-420H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	A DNA sequence encoding the Influenza A virus (A/USSR/90/1977(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>	Met1-Gln529
<b>Form</b>	Lyophilized from sterile PBS, pH7.4.
<b>Bio-activity</b>	1. Measured by its ability to bind with Neu5Aca2-3Galb1-4GlcNAcb-PAA-biotin (01-07 7) 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.
<b>Purity</b>	>95 % as determined by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<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 -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	Hardcopy of COA with reconstitution instruction is sent along with the products.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	HA?haemagglutinin [?Influenza A virus (A/Puerto Rico/8/1934(H1N1))?]
<b>Official Symbol</b>	HA
<b>Synonyms</b>	HA; haemagglutinin; HA1; HA2
<b>Gene ID</b>	<a href="#">956529</a>
<b>Protein Refseq</b>	<a href="#">NP_040980</a>
<b>Chromosome Location</b>	segment: segment 4
<b>Pathway</b>	Assembly of Viral Components at the Budding Site; Entry of Influenza Virion into Host Cell via Endocytosis; Fusion and Uncoating of the Influenza Virion

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