

Active Recombinant H1N1 HA, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	H1N1
Source	Insect Cells
ProteinLength	Met1-Gln529
Form	Lyophilized from sterile PBS, pH7.4.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C
Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	HA?haemagglutinin [?Influenza A virus (A/Puerto Rico/8/1934(H1N1))?]
Official Symbol	HA
Synonyms	HA; haemagglutinin; HA1; HA2
Gene ID	956529
Protein Refseq	NP_040980
Chromosome Location	segment: segment 4
Pathway	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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