

Active Recombinant H5N1 HA, His-tagged

Cat. No. HA-438H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the Influenza A virus (A/chicken/VietNam/NCVD-016/2008(H5N1))hemagglutinin(ACO07033.1) (Met1-Gln532) was expressed with a C-terminal polyhistidine tag.
Species	H5N1
Source	Insect Cells
ProteinLength	Met1-Gln532
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 1-4 ng/mL for 1% GRBC.
Molecular Mass	The recombinant hemagglutinin of Influenza A virus (A/chicken/VietNam/NCVD-016/2008(H5N1)) comprises 527 amino acids and has a predicted molecular mass of 60.2 kDa. The apparent molecular mass of the protein is approximately 66.2 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>85 % 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?hemagglutinin [?Influenza A virus (A/goose/Guangdong/1/1996(H5N1))]
Official Symbol	HA
Synonyms	HA; hemagglutinin; HA1; HA2
Gene ID	3654620
Protein Refseq	YP_308669
UniProt ID	Q9Q0U6
Chromosome Location	segment: segment 4

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