

# Active Recombinant H5N1 (A/Egypt/N05056/2009) HA Protein, His-tagged

**Cat. No.** HA-367V    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant extracellular domain (Met 1-Gln 530) of the influenza A H5N1 hemagglutinin (A/Egypt/N05056/2009 (H5N1)) (ACT15357.1) (HA1+HA2, uncleaved, cleavage site mutated (RRRKKR-TETR) was expressed, fused with a C-terminal polyhistidine tag.
<b>Species</b>	H5N1
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-530 a.a.
<b>Predicted N Terminal</b>	Asp 17
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
<b>Bio-activity</b>	Measured by its ability to agglutinate human red blood cells. HA titer is 4-20 µg/mL for 1% HRBC.
<b>Molecular Mass</b>	The secreted recombinant influenza A H5N1 HA (A/Egypt/N05056/2009 (H5N1)) comprises 523 amino acids and has a predicted molecular mass of 59.7 kDa. As a result of glycosylation, it migrates as an approximately 65 kDa band 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>	>97 % 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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