

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

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

SPECIFICATION

Product Overview	Active Recombinant H5N1 (A/Egypt/N05056/2009) HA Protein(Met 1-Gln 530)(ACT15357.1) (HA1+HA2, uncleaved, cleavage site mutated (RRRKRR-TETR) was expressed in HEK293, fused with a C-terminal polyhistidine tag.
Species	H5N1
Source	HEK293
ProteinLength	1-530 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to agglutinate human red blood cells. HA titer is 4-20 µg/mL for 1% HRBC.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 97 % as determined by SDS-PAGE

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Storage Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

SDS-PAGE



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