Active Recombinant H5N1 (A/barn swallow/HongKong/D10-1161/2010) HA Protein, His-tagged

Cat. No. HA-688V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A virus (A/barnswallow/HongKong/D10-1161/2010(H5N1)) hemagglutinin (AGC13463.1) (Met1-Gln531) was expressed with a C-terminal polyhistidine tag.
Species	H5N1
Source	Insect Cells
ProteinLength	1-531 a.a.
Predicted N Terminal	Asp 17
Form	Lyophilized from sterile 20 mM, Tris 500 mM NaCl, 10 % glycerol, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	1. Measured by its ability to bind with Neu5Aca2-3Galb1-4GlcNAcb-PAA-biotin (01-077) using the Octet RED System. 2. Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 4-16 ng/mL for 1% GRBC.
Molecular Mass	The recombinant hemagglutinin of Influenza A virus (A/barnswallow/HongKong/D10-1161/2010(H5N1)) comprises 526 amino acids and has a predicted molecular mass of 60.2 kDa. The apparent molecular mass of the protein is approximately 65 kDa in SDS-PAGE under reducing conditions.

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Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	>60 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.
Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted 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 0.25 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

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