

Active Recombinant H7N3 (A/turkey/Italy/214845/2002) HA Protein, His-tagged

Cat. No. HA-648V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A virus (A/turkey/Italy/214845/2002(H7N3)) hemagglutinin (CAF33017.1) (Met1-Val524) was expressed with a C-terminal polyhistidine tag.
Species	H7N3
Source	Insect Cells
ProteinLength	1-524 a.a.
Predicted N Terminal	Asp 19
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 (01-07 7) using the Octet RED System. 2. Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 2-8 ng/mL for 1% GRBC.
Molecular Mass	The recombinant hemagglutinin of Influenza A virus (A/turkey/Italy/214845/2002(H7N3)) comprises 517 amino acids and has a predicted molecular mass of 57.8 kDa. The apparent molecular mass of the protein is approximately 59.3 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.

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Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	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.
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°C before opening to recover the entire contents.

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