

Active Recombinant H10N3 (A/mallard/Minnesota/Sg-00194/2007) HA Protein, His-tagged

Cat. No. HA-706V Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A virus (A/mallard/Minnesota/Sg-00194/2007(H10N3)) hemagglutinin (ACT84107.1) (Met1-Val525) was expressed with a C-terminal polyhistidine tag.
Species	H10N3
Source	Insect Cells
Predicted N Terminal	Leu 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 2-8 ng/mL for 1% GRBC.
Molecular Mass	The recombinant hemagglutinin of Influenza A virus (A/mallard/Minnesota/Sg-00194/2007(H10N3)) comprises 520 amino acids and has a predicted molecular mass of 57.9 kDa. The apparent molecular mass of the protein is approximately 64 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	>90 % 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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