

Active Recombinant H1N1 (A/Solomon Islands/3/2006) HA Protein, His-tagged

Cat. No. HA-382V Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant extracellular domain of the influenza A H1N1 (A/Solomon Islands/3/2006 (H1N1)) hemagglutinin (ABU99109.1) (Met 1-Gln 528, HA1+HA2, uncleaved), was fused with a C-terminal polyhistidine tag.
Species	H1N1
Source	HEK293
ProteinLength	1-528 a.a.
Predicted N Terminal	Asp 18
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured by its ability to agglutinate human red blood cells. HA titer is 2-8 µg/mL for 1% HRBC.
Molecular Mass	The secreted recombinant influenza A H1N1 hemagglutinin (A/Solomon Islands/3/2006 (H1N1)) comprises 522 amino acids and has a predicted molecular mass of 59 kDa. As a result of glycosylation, the apparent molecular mass of the protein is approximately 60-70 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	>97 % 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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