

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

Cat. No. HA-381V Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Influenza A virus (A/Solomon Islands/3/2006(H1N1)) hemagglutinin (ABU99109.1) (Met1-Gln528), termed as HA, was expressed with a polyhistidine tag at the C-terminus.

Species H1N1

Source Insect Cells

ProteinLength 1-528 a.a.

Predicted N Terminal Asp 18

Form Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 7.4, 10 % glycerol, 5%~8% trehalose and mannitol.

Bio-activity Measured by its ability to agglutinate guinea pig red blood cells. HA titer is 0.05-0.25 µg/mL for 1% GRBC.

Molecular Mass The recombinant hemagglutinin of Influenza A virus (A/Solomon Islands/3/2006(H1N1)) consists 522 amino acids and predicts a molecular mass of 58.9 kDa.

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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