

Active Recombinant H5N1 (A/bar-headed goose/Qinghai/1A/2005) HA Protein, His-tagged

Cat. No. HA-639V Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Influenza A virus (A/bar-headed goose/Qinghai/1A/2005(H5N1)) hemagglutinin (ABF93441.1) (Met1-Gln527), termed as HA, was expressed with a polyhistidine tag at the C-terminus. |
| Species | H5N1 |
| Source | Insect Cells |
| ProteinLength | 1-527 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 0.1-0.6 µg/mL for 1% GRBC. |
| Molecular Mass | The recombinant HA subunit of influenza A virus (A/bar-headed goose/Qinghai/1A/2005(H5N1)) consists 522 amino acids and predicts a molecular mass of 59.6 kDa. |
| 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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