

## Recombinant H5N1 (A/Xinjiang/1/2006) HA Protein, His-tagged

**Cat. No.** HA-789V    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                 |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant extracellular domain (Met 1-Gln 531) of the influenza hemagglutinin A/Xinjiang/1/2006 (H5N1) (ACJ68614.1) (HA1+HA2, uncleaved), cleavage site mutated (RRRKKR-TETR) was fused with a polyhistidine tag at the C-terminus.                           |
| <b>Species</b>              | H5N1                                                                                                                                                                                                                                                            |
| <b>Source</b>               | HEK293                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>        | 1-531 a.a.                                                                                                                                                                                                                                                      |
| <b>Predicted N Terminal</b> | Asp 17                                                                                                                                                                                                                                                          |
| <b>Form</b>                 | Lyophilized from sterile PBS, pH 7.4, 5% ~ 8% trehalose and mannitol.                                                                                                                                                                                           |
| <b>Molecular Mass</b>       | The secreted recombinant influenza A H5N1 HA (A/Xinjiang/1/2006 (H5N1)) comprises 524 amino acids and has a predicted molecular mass of 59 kDa. As a result of glycosylation, it migrates as an approximately 75 kDa band in SDS-PAGE under reducing conditions |
| <b>Endotoxin</b>            | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                                                 |
| <b>Purity</b>               | >90 % as determined by SDS-PAGE                                                                                                                                                                                                                                 |
| <b>Stability</b>            | Samples are stable for up to twelve months from date of receipt at -70°C.                                                                                                                                                                                       |

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**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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