

Human CellExp™ Influenza A [A/Hong Kong/483/97(H5N1)] Hemagglutinin (HA), Recombinant

CATALOG NO.: P1005-20 20 µg
P1005-100 100 µg

SOURCE: human 293 cells (HEK293) (Influenza A [A/Hong Kong/483/97 (H5N1)] HA) Asp 17 - Gln 531)

PURITY: >95% by SDS-PAGE.

MOL. WEIGHT: This protein is fused with polyhistidine tag at the C-terminus, has a predicted MW of 53.8 kDa. The protein migrates to 80-110 kDa due to glycosylation.

ENDOTOXIN LEVEL: 1.0 EU per µg of the protein by the LAL method.

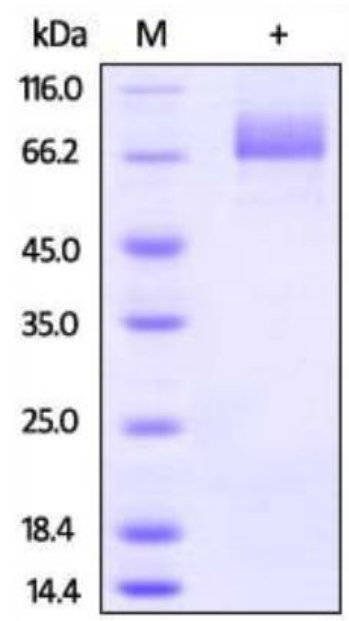
FORM: Lyophilized

FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally Mannitol or Trehalose are added as protectants before lyophilization.

STORAGE CONDITIONS: Store at -20°C or lower for long term storage. After reconstitution, aliquot and store at -70°C for up to 3 months. Avoid repeated freezing and thawing cycles.

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a stock solution of 100 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage.

DESCRIPTION: Neuraminidase (NA) and hemagglutinin (HA) are major membrane glycoproteins found on the surface of influenza virus. Hemagglutinin binds to the sialic acid-containing receptors on the surface of host cells during initial infection and at the end of an infectious cycle. Hemagglutinin also plays a major role in the determination of host range restriction and virulence. As a class I viral fusion protein, hemagglutinin is responsible for penetration of the virus into the cell cytoplasm by mediating the fusion of the membrane of the endocytosed virus particle with the endosomal membrane.



The purity of Influenza A[A/Hong Kong/483/97(H5N1)] HA was determined by DTT-reduced (+) SDS-PAGE and staining overnight with Coomassie Blue.

RELATED PRODUCTS:

- Human CellExp™ Influenza A virus / Neuraminidase (NA) (Cat. 7508-20)
- Influenza A Virus Hemagglutinin (HA) Blocking Peptide (Cat. 3924BP-50)
- HA (Influenza A Virus Hemagglutinin) Antibody (Cat. 3924-100)
- HA-Biotin Antibody (Clone 2C16) (Cat. 3996B-100)
- HA-FITC Antibody (Clone 2C16) (3996F-100)
- HA-Tag Antibody (Clone 12CA5[2]) (Cat. 3996-200)
- T-705 (Favipiravir) (Cat. 2778-5, -25)

FOR RESEARCH USE ONLY! Not to be used in humans.

