

## Certificate of Analysis

**Name:** Recombinant Influenza A [A/Shanghai/2/2013(H7N9)] Hemagglutinin 1 (HA1)

**Product code:** FLUH7N9-HA1-100

**Batch #:** K16080212

**Description:** Recombinant Influenza A [A/Shanghai/2/2013(H7N9)] Hemagglutinin 1 (HA1), Asp 19 - Gly 338 was produced in human 293 cells (HEK293)

**Sequence Strain:**

**Amount:** 100µg

**Presentation:** Lyophilised

**Appearance:** White powder

**Reconstitution:** It is recommended to reconstitute the protein by adding 250ul sterile water to a stock solution of 400µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. We recommend the addition of carrier protein (0.1% (w/v) BSA) for further dilution and long term storage.

**Concentration:** Dependent upon reconstitution volume

**Purity:** >90% pure by SDS-PAGE

**Buffer:** DPBS pH 7.4

### Usage guidelines

**Storage:** Store lyophilised product at 4°C for short term, or frozen at -20°C - -80°C for long term.  
Product is shipped at ambient temperature

### Stability before reconstitution:

At ambient temperature:	1 month
At +4°C:	12 months
At <-20°C:	24 months

### Stability after reconstitution:

At -80°C:	3 months
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**Freezing:** Can be frozen, but avoid multiple freeze/thaw cycles

QC Officer

Date