



## Certificate of Analysis

**Name:** Influenza A [A/Hawaii/70/2019 (H1N1)pdm09-like virus] Hemagglutinin (HA), His-Tag

**Product Code:** REC31884-100 / REC31884-500

**Batch #:** 20090193P

**Description:** Influenza A virus H1N1 (Hawaii/70/2019) haemagglutinin, produced in HEK293 cells and purified from culture supernatant. This strain is part of the WHO vaccine recommendation for the Northern Hemisphere 2020/2021 season.

**Expression System:** HEK293

**Accession:** QLF80309.1

**Strain/Isolate:** Hawaii/70/2019 (H1N1)

**Amino Acids:** 1-529

**Tag:** His-tag, C-terminus

**Expected Molecular Weight:** 59 kDa

**Observed Molecular Weight:** 78 kDa

**Amount:** 0.1 mg / 0.5 mg

**Concentration:** 0.89 mg/ml

**Purity:** >95%

**Presentation:** Liquid

**Buffer:** Dulbecco's phosphate buffered saline pH7.4

### Usage Guidelines

**Short Term Storage:** -80°C

**Long Term Storage:** -80°C

**General Storage Conditions:** Avoid multiple freeze-thaw cycles.





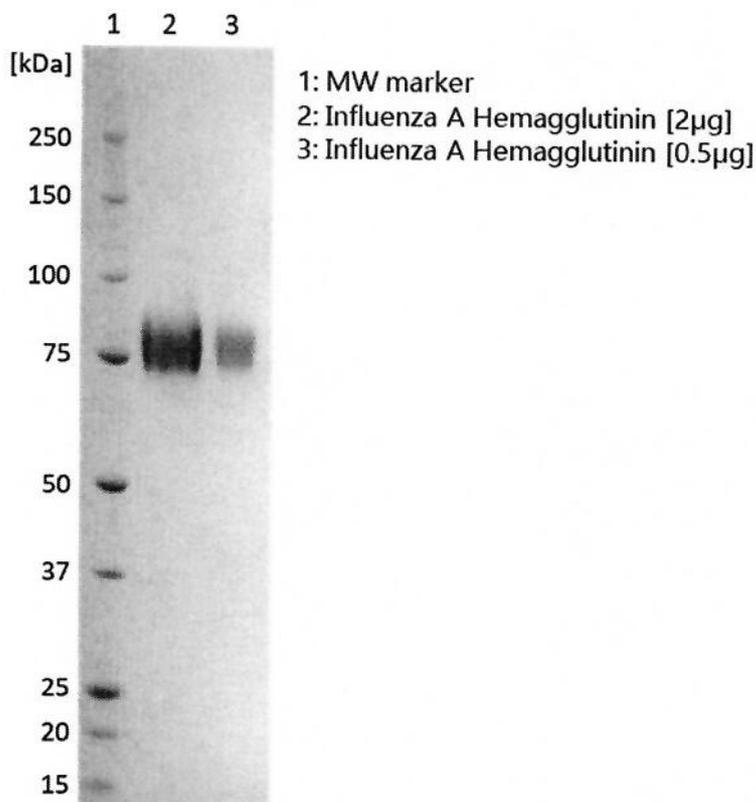
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**Batch #:** 20090193P

**SDS-PAGE:** Coomassie-stained reducing SDS-PAGE showing purified Influenza A [A/Hawaii/70/2019 (H1N1)pdm09-like virus] Hemagglutinin (HA).



15-SEP-2020

QC Officer

Date

**Products are for Research Use or for Further Manufacturing Use only. Not for Diagnostic or Therapeutic Use.**

