

## Recombinant Influenza Hemagglutinin (H5N1) (A/Vietnam/1203/2004)

**Catalog #:** 1501-001

**Lot #:** 1509005

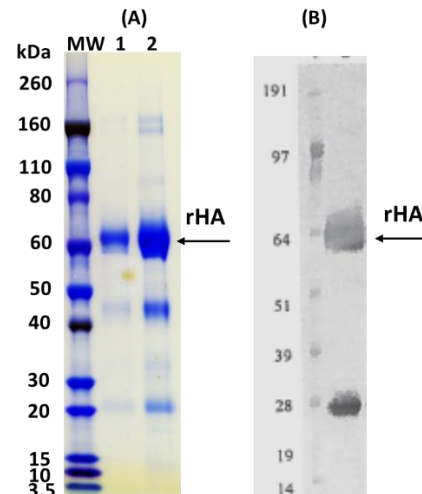
**Description:** Recombinant, Influenza Hemagglutinin Full-Length Glycoprotein from virus strain A/Vietnam/1203/2004 (H5N1). Recombinant HA (rHA) is supplied as an affinity purified protein. rHA is produced in Sf9 insect cells using baculovirus for expression and is purified by FPLC.

**Storage:** 2-3 weeks at -20°C, -80°C long term

**Size:** 50 µg of protein is supplied at a concentration of 0.362 mg/mL (by BCA) in Tris buffered saline and 0.01% non-ionic surfactant. The theoretical molecular weight of the protein is ~64 kDa, without glycosylation. Because of the highly glycosylated nature of this protein, migration in an SDS-PAGE gel is slowed resulting in broad, diffuse bands representing differing glycosylation forms.

**Relevance:** Recombinant hemagglutinin glycoprotein provides a control protein for immunoassays and a tool to enhance Orthomyxovirus research.

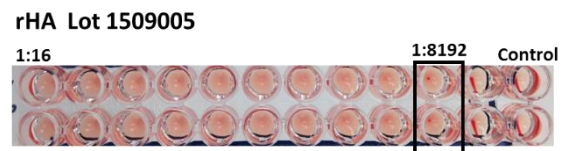
### SDS-PAGE and Western Blot Detection



(A) SDS-PAGE and stain demonstrating 1 µg and 5 µg (lanes 1 and 2, respectively) of rHA protein under denaturing and reducing conditions. (B) Western blot detection of rHA at 200 ng when detected with anti-H5 chicken antiserum (1:1,000 dilution) and an anti-chicken AP conjugate followed by substrate.

### Hemagglutination using Turkey Red Blood Cells:

rHA lot 1509005 showed HA titer of 1:8192.



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