

## Recombinant Influenza Hemagglutinin (H9 Hong Kong) Full-Length Glycoprotein (rHA GP)

**Catalog #:** 1503-001

**Lot #:** 1309005

**Description:** Recombinant, Influenza Hemagglutinin Full-Length Glycoprotein (rHA GP) from virus strain A/Hong Kong/33982/2009 (H9N2). Recombinant HA 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 0.33 mg/mL (by BCA) in Tris buffered saline plus 0.01% non-ionic detergent. The theoretical molecular weight of the protein is ~63 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.

**Purity:** Residual baculovirus GP64 co-purifies with the affinity purified rHA GP and was determined to be less than 10% of the total protein.

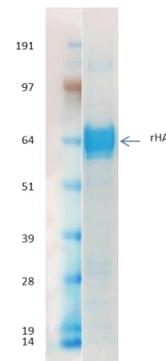
**Relevance:** Recombinant hemagglutinin glycoprotein provides a control protein for immunoassays and a tool to enhance Orthomyxovirus research.

**Western Blot:** Quality control testing demonstrates detection of GP null under reduced conditions when using anti-H9 influenza antiserum.

**Hemagglutination with Turkey Red Blood Cells:** HA Titer 1:32,768

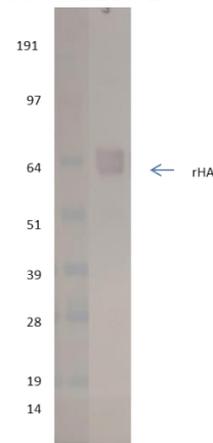


### SDS-PAGE



SDS-PAGE and stain demonstrating 3 µg of rHA protein under reducing conditions

### Western Blot Detection



Western blot detection of rHA at 800 ng when detected with anti-H9 ferret antiserum (1:50 dilution) (B) and an anti-ferret AP conjugate followed by substrate.

**Product intended for research use only. Not for human, therapeutic, or diagnostic applications.**

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