

## Recombinant Influenza Hemagglutinin (H7 Anhui) Full-Length Glycoprotein (rHA GP)

**Catalog #:** 1502-001

**Lot #:** 1510001

**Description:** Recombinant, Influenza Hemagglutinin Full-Length Glycoprotein (rHA GP) from virus strain A/Anhui/1/2013 (H7N9). 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.

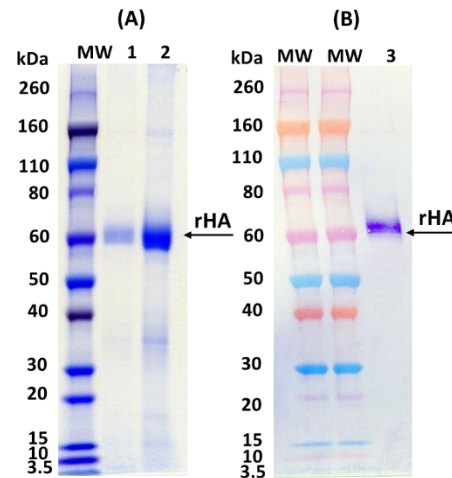
**Storage:** 2-3 weeks at -20°C, -80°C long term

**Size:** 50 µg of protein is supplied at a concentration of 0.293 mg/mL in Tris buffered saline plus 0.01% non-ionic detergent. The theoretical molecular weight of the protein is ~62 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.

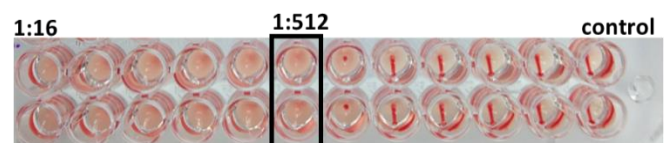
**Western Blot:** Quality control testing demonstrates strong detection of GP null under reduced conditions when using anti-H7N9 rabbit monoclonal antibody.

### SDS-PAGE/Western Blot



(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 100 ng (lane 3) when detected with anti-H7N9 rabbit mAb at 0.5 µg/mL and an anti-rabbit IgG-HRP conjugate followed by TMB substrate.

**Hemagglutination with Turkey Red Blood Cells:** HA  
Titer 1:512



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