

## Product datasheet

# Recombinant Influenza A Virus Hemagglutinin H7 protein ab190421

[1 References](#) [3 Images](#)

### Description

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<b>Product name</b>	Recombinant Influenza A Virus Hemagglutinin H7 protein
<b>Expression system</b>	Baculovirus infected Sf9 cells
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Predicted molecular weight</b>	62 kDa
<b>Additional sequence information</b>	From virus strain A/Anhui/1/2013 (H7N9).

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab190421** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Western blot Functional Studies SDS-PAGE
<b>Form</b>	Liquid
<b>Additional notes</b>	Recombinant hemagglutinin glycoprotein provides a control protein for immunoassays and a tool to enhance Orthomyxovirus research.

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at -80°C. Constituent: 99% Tris buffered saline Contains 0.01% non-ionic detergent.
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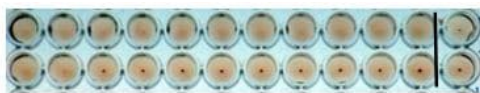
### General Info

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## Relevance

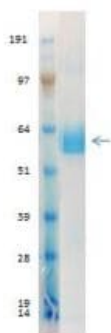
Haemagglutinin (HA) is one of two main surface fusion glycoproteins embedded in the envelope of influenza viruses, the other being neuraminidase (NA). There are sixteen known HA subtypes (H1-H16) and nine NA subtypes (N1-N9), which together are used to classify influenza viruses (e.g. H5N1). The antigenic variations in HA and NA enable the virus to evade host antibodies made to previous influenza strains, accounting for recurrent influenza epidemics.

## Images



Hemagglutination with turkey red blood cells: Hemagglutinin Titer 1:2048

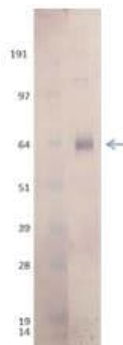
Functional Studies - Recombinant Influenza A Virus  
Hemagglutinin H7 protein (ab190421)



SDS-PAGE analysis of 0.4 µg ab190421 under reducing conditions.

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.

SDS-PAGE - Recombinant Influenza A Virus  
Hemagglutinin H7 protein (ab190421)



Anti-H7 NY mouse antiserum at 1/100 dilution + Recombinant Influenza A Virus Hemagglutinin H7 protein (ab190421) at 0.38 µg

### Secondary

Anti-mouse AP conjugate

Quality control testing demonstrates strong detection of GP null under reduced conditions when using anti-H7 influenza antiserum.

Western blot - Recombinant Influenza A Virus  
Hemagglutinin H7 protein (ab190421)

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