abcam

Product datasheet

Recombinant Influenza A Virus Hemagglutinin H7 protein ab190421

1 References 3 Images

Description

Product name	Recombinant Influenza A Virus Hemagglutinin H7 protein
Purity	> 80 % SDS-PAGE.
Expression system	Baculovirus infected Sf9 cells
Accession	A0A024E364
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Predicted molecular weight	62 kDa
Additional sequence information	From virus strain A/Anhui/1/2013 (H7N9).

Specifications

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.

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

Preparation and Storage

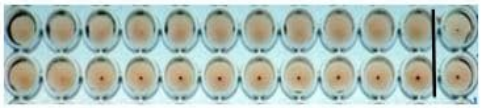
Stability and Storage	Shipped at 4°C. Store at -80°C. Constituent: 99% Tris buffered saline Contains 0.01% non-ionic detergent.

General Info

Relevance

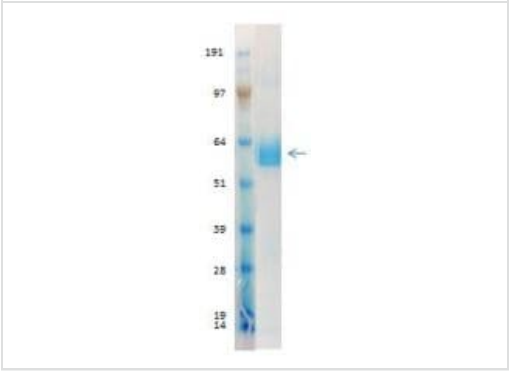
Haemagglutinin (HA) is one of two main surface fusion glycoproteins embedded in the envelope of influenza viruses, the other being neuraminidase (NA). There are sixteen known HA subtypes (H1-H16) and nine NA subtypes (N1-N9), which together are used to classify influenza viruses (e.g. H5N1). The antigenic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

Images



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

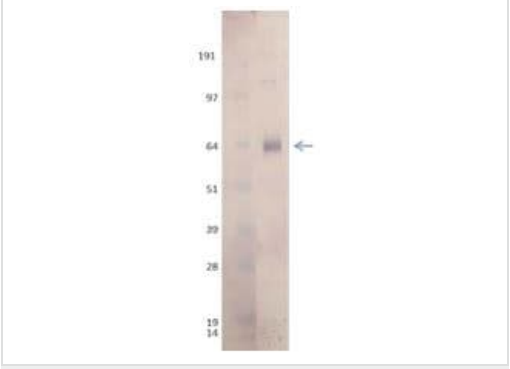
Hemagglutination with turkey red blood cells: Hemagglutinin Titer 1:2048



SDS-PAGE - 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.



Western blot - 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.

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