

Recombinant Influenza Hemagglutinin (H1N1) (A/Puerto Rico/8/1934)

Catalog #: 1504-001

Lot #: 1503002

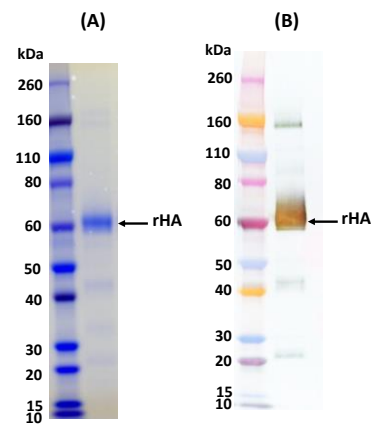
Description: Recombinant, full-length influenza hemagglutinin from virus strain A/Puerto Rico/8/1934 (H1N1). Recombinant hemagglutinin (rHA) is supplied as an affinity purified protein. rHA is produced in Sf9 insect cells using baculovirus for expression and is purified by FPLC.

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

Size: 50 µg of protein is supplied at a concentration of 0.213 mg/mL (by BCA) in phosphate buffered-saline. 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.

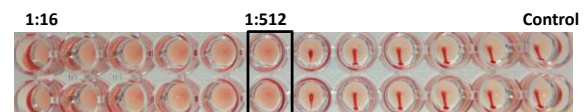
SDS-PAGE and Western Blot Detection



(A) SDS-PAGE of rHA under reduced condition: 1 µg. (B) Western blot detection of rHA at 100 ng, using an anti-HA (H1N1) polyclonal antibody at 0.5 µg/mL and an anti-rabbit IgG-HRP conjugate, followed by TMB membrane substrate.

Hemagglutination using Turkey Red Blood

Cells: HA Titer = 1:512



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