

Hemagglutinin Recombinant Protein | HA recombinant protein

Hemagglutinin Recombinant Protein

CATALOG # AAA10977	HOST E Coli	APPLICATIONS ELISA, Western Blot
------------------------------	-----------------------	--

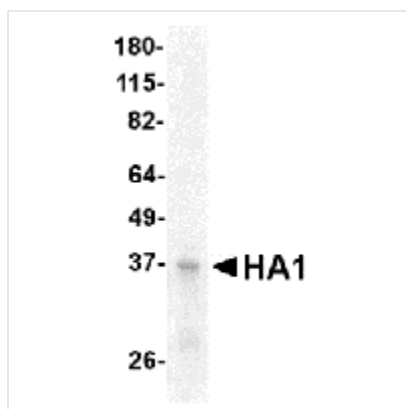
PRODUCT SYNONYMS

Hemagglutinin; Hemagglutinin Recombinant Protein; H5N1 Hemagglutinin HA1; H5N1 Hemagglutinin; H5N1 HA1; HA1; HA recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	~95%
Form/Format	Liquid; 1X PBS containing 0.1% SDS and 0.02% NaN3
Sequence	aa.17-338
Applicable Applications for HA recombinant protein	ELISA, WB (Western Blot)
Fusion Tag	Fusion Partner: His-tag and strepII-tag at N-Terminus
Sequence	aa. 17-338
Species	Influenza A virus (A/chicken/Jilin/9/2004(H5N1))
Preparation and Storage	Ships on dry ice. Store in working aliquots at -70°C. Avoid freeze/thaw cycles. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

IMAGES



SDS-PAGE

SDS-PAGE analysis of Avian Influenza (H5) Hemagglutinin subunit HA1 on Coomassie Blue-stained 4-20% gradient gel.

ADDITIONAL INFORMATION

Related Product Information for HA recombinant protein	Influenza A virus is a major public health threat, killing more than 30,000 people per year in the USA (1). Novel influenza virus strains caused by genetic drift and viral recombination emerge periodically to which humans have little or no immunity, resulting in devastating pandemics. Influenza A can exist in a variety of animals, but it is in birds that all subtypes can be found (2). These subtypes are classified based on the combination of the virus coat glycoproteins hemagglutinin (HA) and neuraminidase (NA) subtypes. HA interacts with host cell surface proteins containing oligosaccharides with terminal sialyl residues. Its extracellular region has two domains (HA1 and HA2); HA1 is cleaved from the main hemagglutinin protein by the host immune system. During 1997, an H5N1 avian influenza virus was determined to be the cause of death in 6 of 18 infected patients in Hong Kong (3). This more recent virulent strain of H5N1 is now seen in Africa and Europe, as well as in Southeast Asia. There is some evidence of human to human spread of this virus, but it is thought that the efficiency of this type of transmission is low (4). Virus isolated from a human infected with the H5N1 strain in 1997 could bind to oligosaccharides from human as well as avian sources, indicating its species-jumping ability (5). This HA1 recombinant protein is recognized by several hemagglutinin antibodies.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	50365729
NCBI GeneID	3654620
UniProt Accession #	Q692M2; Q9Q0U6
Molecular Weight	39kDa (calculated)
NCBI Official Full Name	hemagglutinin
NCBI Official Symbol	HA
NCBI Protein Information	hemagglutinin; HA1; HA2
UniProt Protein Name	Hemagglutinin
UniProt Gene Name	HA
UniProt Entry Name	Q692M2_9INFA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.