

## Hemagglutinin Recombinant Protein | HA recombinant protein

Recombinant Influenza A virus (strain A/Mallard/New York/6750/1978 H2N2) Hemagglutinin

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA117583</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

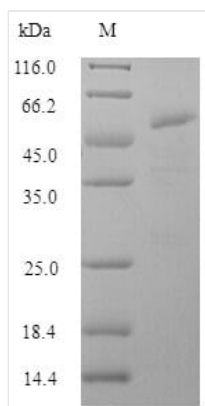
### PRODUCT SYNONYMS

Hemagglutinin; Recombinant Influenza A virus (strain A/Mallard/New York/6750/1978 H2N2) Hemagglutinin; Cleaved into the following 2 chains: 1. Hemagglutinin HA1 chain; 2. Hemagglutinin HA2 chain; HA recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                   |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                          |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                   |
| Sequence Positions      | 16-339aa; Partial                                                                                                                                                                                                                                                                                                                                                                  |
| Sequence                | DQICIGYHAN NSTEKVDITL ERNVTVTTHAK DILEKTHNGK LCRLSGIPPL ELGDCSIAGW LLGNPECDRL<br>LSVPEWSYIV EKENPANGLC YPGNFNDYEE LKHLLTRVTH FEKIKILPRD QWTQHHTTTGG SRACAVSGNP<br>SFFRNMVWLT KKGSNYPVAK GSYNNTSGEQ MLVIWGIHHP NDDTEQRTLY QNVGTYSVSG TSTLNKRSIP<br>EIATRPKVNG QGGRMEFSWT LLETWDVIN F ESTGNLIAPE YGFKISKRG SSGIMKTEKTL ENCETKCQTP<br>LGAINTTLPF HNIHPLTIGE CPKYVKSDRL VLATGLRNP QIES |
| Sequence Length         | 562                                                                                                                                                                                                                                                                                                                                                                                |
| Species                 | Influenza A virus (strain A/Mallard/New York/6750/1978 H2N2)                                                                                                                                                                                                                                                                                                                       |
| Preparation and Storage | Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.                                                                                                                                                                                                                                                                                             |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for HA recombinant protein | Binds to sialic acid-containing receptors on the cell surface, bringing about the attachment of the virus particle to the cell. This attachment induces virion internalization of about two third of the virus particles through clathrin-dependent endocytosis and about one third through a clathrin- and caveolin-independent pathway. Plays a major role in the determination of host range restriction and virulence. Class I viral fusion protein. Responsible for penetration of the virus into the cell cytoplasm by mediating the fusion of the membrane of the endocytosed virus particle with the endosomal membrane. Low pH in endosomes induces an irreversible conformational change in HA2, releasing the fusion hydrophobic peptide. Several trimers are required to form a competent fusion pore |
| Product Categories/Family for HA recombinant protein   | Microbiology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| References                                             | "Origin of the pandemic 1957 H2 influenza A virus and the persistence of its possible progenitors in the avian reservoir." Schafer J.R., Kawaoka Y., Bean W.J., Suss J., Senne D., Webster R.G. Virology 194:781-788(1993)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                         |               |
|-------------------------|---------------|
| NCBI GI #               | 82020754      |
| UniProt Accession #     | Q67282        |
| Molecular Weight        | 52.2 kDa      |
| NCBI Official Full Name | Hemagglutinin |
| UniProt Protein Name    | Hemagglutinin |
| UniProt Gene Name       | HA            |
| UniProt Entry Name      | HEMA_I78A3    |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/ha-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/117583>