

## H5 (H5N1) (A/Indonesia/5/2005) Recombinant Protein | H5 recombinant protein

H5 (H5N1) (aa 18-530)(A/Indonesia/5/2005)

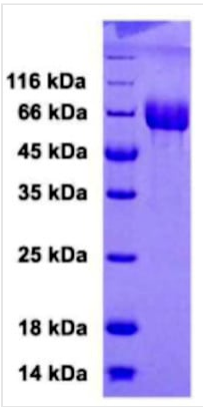
|                              |                                 |                                            |
|------------------------------|---------------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA13744</b> | HOST<br><b>293 cell culture</b> | APPLICATIONS<br><b>Western Blot, ELISA</b> |
|------------------------------|---------------------------------|--------------------------------------------|

### PRODUCT SYNONYMS

H5 (H5N1) (A/Indonesia/5/2005); H5 (H5N1) (aa 18-530)(A/Indonesia/5/2005); glycosylated recombinant protein; HA (aa 18-530)(H5N1)(A/Indonesia/5/2005); H5 (H5N1); 6xHis tagged Hemagglutinin (A/Indonesia/5/2005) (aa 18-530); H5 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                               | 293 cell culture                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Purity/Purification                                | >95% pure by 10% SDS PAGE gel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Form/Format                                        | PBS with 20% glycerol and 0.1% sodium azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Concentration                                      | 1ug/ul (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Sequence                                           | DQICIGYHAN NSTEQVDTIM EKNVTVTTHAQ DILEKTHNGK LCDLDGVKPL ILRDCSVAGW LLGNPMCDEF INVPEWSYIV EKANPTNDLC YPGSFNDYEE LKHLLSRINH FEKIQIIPKS SWSDHEASSG VSSACPYLGS PSFFRNVVWL IKKNSTYPTI KKSNNNTNQE DLLVLWGIHH PNDAAEQTRL YQNPTTYISI GTSTLNQRLV PKIATRSKVN GQSGRMEFFW TILKPNDAIN FESNGNFIAP EYAYKIVKKG DSAIMKSELE YGNCNTKCQT PMGAINSSMP FHNIHPLTIG ECPKYVKS NR LVLATGLRNS PQRESRRKKR GLFGAIAGFI EGGWQGMVDG WYGYHHSNEQ GSGYAADKES TQKAIDGVTN KVNSIIDKMN TQFEAVGREF NNLERRIENL NKKMEDGF LD VWTYNAELLV LMENERTLDF HDSNVKNLYD KVRLQLRDNA KELGNGCFEF YHKCDNECME SIRNGTYNYP QYSEEARLKR EEISGVKLES IGTYYYYHHHH |
| Sequence Length                                    | 568                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Applicable Applications for H5 recombinant protein | WB (Western Blot), ELISA, Antigen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Application Notes                                  | SDS-PAGE Data: purified HA (H5N1) (A/Indonesia/5/2005) protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Endotoxin Level                                    | <0.01 EU per 1 ug of the protein by LAL test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Viral Protein                                      | C-terminal 6xHis tagged HA(H5N1) (A/Indonesia/5/2005) protein(amino acid 17-530)(GenBank accession# ABP51969). Majority of the protein exists as trimer/oligomer.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Preparation and Storage                            | Store at -20°C. Stable for 6-months from the date of receipt when kept at 4°C. Non-hazardous. No MSDS required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |



SDS-PAGE  
Purified HA(H5N1) (A/Indonesia/5/2005) protein.

ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for H5 recombinant protein | <p><b>Description:</b> Viral protein purified from 293 cell culture.</p> <p><b>Introduction:</b> Influenza hemagglutinin (HA) is a type of hemagglutinin found on the surface of the influenza viruses. HA is an antigenic glycoprotein, like all other hemagglutinins, it causes red blood cells to agglutinate. HA is responsible for binding the virus to the cell that is being infected. HA proteins bind to cells with sialic acid on the membranes, such as cells in the upper respiratory tract or erythrocytes.</p> <p>HA is a homotrimeric integral membrane glycoprotein. HA monomer is synthesized as a single polypeptide that is subsequently cleaved into two smaller polypeptides, the HA1 and HA2 subunits. Each HA monomer consists of a long, helical chain anchored in the membrane by HA2 and topped by a large HA1 globule.</p> |
| Product Categories/Family for H5 recombinant protein   | Viral Recombinant Proteins; Influenza                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                         |               |
|-------------------------|---------------|
| NCBI GI #               | 145284450     |
| NCBI Official Full Name | hemagglutinin |
| UniProt Protein Name    | Hemagglutinin |
| UniProt Gene Name       | HA            |
| UniProt Entry Name      | A5A5L7_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.