Hemagglutinin (HA) Influenza A Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Hemagglutinin (HA), Recombinant Protein
Full Product Name	Recombinant Influenza A virus Hemagglutinin (HA)
Product Gene Name	HA recombinant protein
Product Synonym Names	HemagglutininCleaved into the following chain:; 1. Hemagglutinin HA1 chain
Sequence	DQICI GYHANNSTET VDTILERNVT VTHAKDILEK THNGKLCKLN GIPPLELGDC SIAGWLLGNP ECDRLLSVPE WSYIMEKENP RNGLCYPGNF NDYEELKHLL SSVKHFEKVK ILPKDRWTQH TTTGGSQACA VSGNPSFFRN MVWLTEKESN YPVAKGSYNN TSGEQMLIIW GVHHPIDEKE QRTLYQNVGT YVSVGTSTLN KRSTPEIATR PKVNGLGSRM EFSWTLLDMW DTITFESTGN LIAPEYGFKI SKRGSSGIMK TEGTLENCET KCQTPLGAIN TTLPFHNVHP LTIGECPKYV KSEKLVLATG LRNVPQIES
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	37,896 Da
Sequence Positions	16-339aa; Extracellular domain
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9IFF7
Species	Influenza A virus (strain A/Ann Arbor/6/1960 H2N2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for HA recombinant protein	MBS1346201 is a recombinant protein targeting HA. Also known as Recombinant Influenza A virus Hemagglutinin (HA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of HA recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HA. It may not necessarily be applicable to this product.

NCBI GI #	82036151
NCBI Accession #	Q9IFF7.1
UniProt Primary Accession #	Q9IFF7
NCBI Official Full Name	Hemagglutinin
UniProt Protein Name	Hemagglutinin

Protein Family	Hemagglutinin
UniProt Gene Name	HA
UniProt Entry Name	HEMA_I60A0
UniProt Comments for HA	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 ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/hemagglutinin-ha/1346201