

H1 Hemagglutinin (HA) Protein with C-Terminal Histidine Tag from Influenza Virus, A/Ghom/198/2010 (H1N1)pdm09, Recombinant from Baculovirus

Catalog No. NR-41638

This reagent is the tangible property of the U.S. Government.

For research use only. Not for human use.

Contributor:

BEI Resources

Manufacturer:

Chesapeake PERL, Inc.

Product Description:

A recombinant form of the H1 hemagglutinin (HA) protein from influenza virus A/Ghom/198/2010 (H1N1)pdm09 containing a C-terminal histidine tag was produced by baculovirus infection of *Trichoplusia ni* insect larvae and purified by standard chromatographic methods.¹ The predicted mature protein sequence is shown in Table 1.

Material Provided:

Each vial contains approximately 0.1 mg of purified recombinant H1 HA protein in 2X PBS, pH 7.4. The concentration, expressed as mg/mL, is shown on the Certificate of Analysis.

Packaging/Storage:

Purified recombinant H1 HA protein was packaged aseptically, in screw-capped plastic cryovials. This product is provided on dry ice and should be stored at -80°C or colder. Before opening, tap the vial gently to bring all material to the bottom of the tube. Repeated freeze-thaw cycles should be avoided.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: H1 Hemagglutinin (HA) Protein with C-Terminal Histidine Tag from Influenza Virus, A/Ghom/198/2010 (H1N1)pdm09, Recombinant from Baculovirus, NR-41638."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

References:

1. O'Connell, K. P., et al. "Production of a Recombinant Antibody Fragment in Whole Insect Larvae." Mol. Biotechnol. 36 (2007): 44-51. PubMed: 17827537.

ATCC® is a trademark of the American Type Culture Collection.



Table 1 - Predicted Protein Sequence					
1	DTLCIGYHAN	NSTDTVDTVL	EKNVTVTHSV	NLLEDKHNGK	LCKLRGVAPL
51	HLGKCNIAGW	ILGNPECESL	STASSWSYIV	ETSSSDNGTC	YPGDFINYEE
101	LREQLSSVSS	FERFEIFPKT	SSWPNHDSNK	GVTAACPHAG	AKSFYKNLIW
151	LVKKGNSYPK	LSKSYINDKG	KEVLVLWGIH	HPSTSADQQS	LYQNADAYVF
201	VGTSKYSKKF	KPEIAVRPKV	RDQEGRMNYY	WTLVEPGDKI	TFEATGNLLV
251	PRYAFAMERN	AGSGIIISDT	PVHDCNTTCQ	TPKGAINDSL	PFQNIHPITI
301	GKCPKYVKST	KLRLATGLRN	VPSIQSRGLF	GAIAGFIEGG	WTGMVDGWYG
351	YHHQNEQSGS	YAADLKSTQN	AIDKITNKVN	SVIEKMNTQF	TAVGKEFNHL
401	EKRIENLNKK	VDDGFLDIWT	YNAELLVLE	NERTLDYHDS	NVKNLYEKVR
451	SQLKNNAKEI	GNGCFEFYHK	CDNTCMESVK	NGTYDYPKYS	EEAKLNREEI
501	DGVKLESTRI	YQILAIYSTV	ASSLVLVVSL	GAISFWMCSN	GSLQCRICIG
551	<u>RGSHHHHHHH</u>				

Non-influenza amino acids are underlined