

AR50309PU-S**Influenza A H1N1 A/New York/3571/2009 (18-344, His-tagged) - Purified**

Alternate names:	Influenza A virus (A/New York/3571/2009 H1N1) haemagglutinin, hemagglutinin
Quantity:	50 µg
Concentration:	1mg/ml (determined by Bradford assay)
Background:	HA1 (hemagglutinin1) belongs to the influenza viruses hemagglutinin family. Influenza hemagglutinin (HA) or haemagglutinin is a type of hemagglutinin found on the surface of the influenza viruses. It is an antigenic glycoprotein. It is responsible for binding the virus to the cell that is being infected. HA protein has two functions. Firstly, it allows the recognition of target vertebrate cells, accomplished through the binding of these cells' sialic acid-containing receptors. Secondly, once bound it facilitates the entry of the viral genome into the target cells by causing the fusion of host endosomal membrane with the viral membrane.
Uniprot ID:	C7RYS4
NCBI:	ACV04238.1
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol
Description:	Recombinant Influenza A virus (A/ New York/3571/2009 (H1N1)) HA1 protein, fused to His-tag at C-terminus, was expressed in Hi-5 cell using baculovirus expression system and purified by using conventional chromatography. AA Sequence: ADLMDTLCIG YHANNSTDTV DTVLEKNVTV THSVNLLEDK HNGKLCKLRG VAPLHLGKCN IAGWILGNPE CESLSTASSW SYIVETSSSD NGTCYPGDFI DYEELREQLS SVSSFERFEI FPKTSSWPNH DSNKGVTAAC PHAGAKSFYK NLIWLKKGKGN SYPKLSKSYI NDKGKEVLVL WGIHHPSTA DQQLYQAD AYVFGSSRY SKKFKPEIAI RPKVRDQEGR MNYWTLVEP GDKITFEATG NLVVPYAFYA MERNAGSGII ISDTPVHDCN TTCQTPKGAI NTSLPFQNIH PITIGKCPKY VKSTKLRLAT GLRNVPSIQS RSRHHHHHH Molecular weight: 37.8 kDa (339aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Russell RJ, et al. (2008) Proc. Natl. Acad. Sci. U.S.A. 105 (46): 17736-41. White JM, et al. (1997) Structural Biology of Viruses. Oxford University Press. pp. 80-104.

Pictures:

