ALPHA DIAGNOSTIC
INTERNATIONAL

Product Data Sheet

□ **# H3N2-02-R-10** Recom. (sf9) Influenza A HA protein (H3N2)(A/VICTORIA/210/2009 71-530aa, ~70 kda, **Size**: □ 10 ug

□ **# H3N2-02-R-100** Recom. (sf9) Influenza A HA protein (H3N2)(A/VICTORIA/210/2009 17-530 aa, 70 kda, **Size**: □ 100 ug

Influenza A (H1N1) virus is a subtype of influenza A virus and was the most common cause of human influenza (flu) in 2009. Some strains of H1N1 are endemic in humans and cause a small fraction of all influenza-like illness and a small fraction of all seasonal influenza. H1N1 strains caused a few percent of all human flu infections in 2004–2005. Other strains of H1N1 are endemic in pigs (swine influenza) and in birds (avian influenza). In June 2009, the World Health Organization declared the new strain of swine-origin H1N1 as a pandemic. This strain is often called swine flu by the public media. Swine influenza (also called swine flu, or pig flu) is an infection by any one of several types of swine influenza virus. Swine influenza virus (SIV) is any strain of the influenza family of viruses that is endemic in pigs. As of 2009, the known SIV strains include influenza C and the subtypes of influenza A known as H1N1, H1N2, H3N1, H3N2, and H2N3.

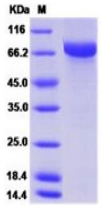
The Influenza A Virus is a globular particle about 100nm in diameter, sheathed in a lipid bilayer derived from the plasma membrane of its host. Studded in the lipid bilayer are two integral membrane proteins some 500 molecules of hemagglutinin ("H") and some 100 molecules of neuraminidase ("N"). Within the lipid bilayer are 3000 molecules of matrix protein and 8 pieces of RNA. Each of the 8 RNA molecules is associated with many copies of a nucleoprotein, several molecules of the three subunits of its RNA polymerase some "non-structural" protein molecules of uncertain function.

CDC Vaccine Recommendations for the 2016-2017 Influenza Season

Trivalent vaccines/TIV (Afluria, Fluvirin, Fluad, Flublok)

An A/California/7/2009 (H1N1) pdm09-like virus;
An A/Hong Kong/4801/2014 (H3N2)-like virus; and
A B/Brisbane/60/2008-like virus, which is a B/Victoria lineage B virus.

Quadrivalent/QIV vaccines (Fluarix, Fluzone, Flucevax, Flumist) also will include a B/Phuket/3073/2013-like virus, which is a B/Yamagata lineage virus.



Source: Recombinant HA protein (A/VICTORIA/210/2009/H3N2; gene accession # ADI52838.1); aa 17-530aa) expressed in sf9 cells as his-tagged protein and purified (>95%, mol wt ~70 kda). It is supplied in PBS, pH 7.4 and 10% glycerol (lot specific concn on the vial). Store at 4oC. Do not freeze. It is stable for at least 1 year.

Endotoxins: 1.0 EU per µg protein as determined by the LAL method.

Application and Suggested Dilutions: ELISA and Western. Users must optimize the appropriate concentration and conditions for each assay.

This item is for LABORATORY ESEARCH USE ONLY.

References: Deng YM (2010)
https://www.ncbi.nlm.nih.gov/protein/ADI52838.1

Related items

AntibodyType	Catalog#	ProdDescription
Rabbit-Poly	H1N1-01-A	Anti-Hemagglutinin-Influenza A Virus H1N1 H1 (H1N1) (A/New Caledonia/20/99) IgG
	H1N1-01-R-10	Recombinant Purified Hemagglutinin-Influenza A Virus H1N1 H1 (H1N1) (A/New Caledonia/20/99) protein
Rabbit-Poly	H1N1-02-A	Anti-Hemagglutinin-Influenza A Virus H1N1 H1 (Pan H1N1 reacts with multiple strains of H1N1) IgG
920-010-PAG		Swine/Pig Anti-Influenza A virus IgG ELISA kit
920-020-PAM		Swine/Pig Anti-Influenza A virus IgM ELISA kit
920-030-PAA		Swine/Pig Anti-Influenza A virus IgA ELISA kit
920-040-HAG		Human Anti-Influenza A virus IgG ELISA
920-050-HAM		Human Anti-Influenza A virus IgM ELISA
920-060-HAA		Human Anti-Influenza A virus IgA ELISA
920-100-AIV		Chicken Anti-Avian Influenza A virus (AIV) IgG ELISA kit
920-105-AIM		Chicken Anti-Avian Influenza A virus (AIV) IgM ELISA kit
920-300-H51		Chicken Anti-Avian Influenza virus (H5N1) IgG ELISA kit (1x96 wells)
920-300-H52		Chicken Anti-Avian Influenza virus (H5N1) IgG ELISA kit (2x96 wells)
920-400-HBG		Human Anti-Influenza B virus Ig's ELISA
920-500-MBG		Mouse Anti-Influenza B virus Ig's ELISA
920-600-RBG		Rabbit Anti-Influenza B virus Ig's ELISA
920-605-RBG		Rabbit Anti-Influenza B virus IgG ELISA
920-610-RBM		Rabbit Anti-Influenza B virus IgM ELISA
970-100-H1G		Rabbit Anti-Influenza A Virus H1N1 (human/avian) IgG ELISA kit

H3N2-02-R-10-HA-Protein-H3N2 170116A

Alpha Diagnostic Intl Inc., 6203 Woodlake Center Dr, San Antonio, TX 78244, USA; **Email**: service@4adi.com
☎ (800) 786-5777; (210) 561-9515; **Fax**: (210) 561-9544; **Web Site**: www.4adi.com