Recombinant Influenza A Virus H5N1 (A/Anhui/1/2005), His-tagged

DAG1696 H5N1

Lot. No. (See product label)

PRODUCT INFORMATION

Product overview	H5N1 (A/Anhui/1/2005, ABD28180, 18 a.a. - 530 a.a.) partial recombinant protein with His tag expressed in 293 cells.
Antigen Description	Influenza A virus is a major public health threat. Novel influenza virus strains caused by genetic drift and viral recombination emerge periodically to which humans have little or no immunity, resulting in devastating pandemics. Influenza A can exist in a variety of animals; however it is in birds that all subtypes can be found. These subtypes are classified based on the combination of the virus coat glycoproteins hemagglutinin (HA) and neuraminidase (NA) subtypes. During 1997, an H5N1 avian influenza virus was determined to be the cause of death in 6 of 18 infected patients in Hong Kong. There was some evidence of human to human spread of this virus, but it is thought that the transmission efficiency was fairly low.
Source	293 cells
Species	H5N1
Tag	His
Form	Liquid
Purity	> 95% by SDS-PAGE
Applications	SDS-PAGE

PACKAGING

Storage	Store at 4°C. Do not freeze.
Concentration	1 ug/uL
Buffer	In PBS

BACKGROUND

Introduction	Influenza A virus subtype H5N1 is a subtype of the influenza A virus which can cause illness in humans and many other animal species. A bird-adapted strain of H5N1, called HPAI A(H5N1) for "highly pathogenic avian influenza virus of type A of subtype H5N1", is the causative agent of H5N1 flu, commonly known as "avian influenza" or "bird flu". It is enzootic in many bird populations, especially in Southeast Asia. One strain of HPAI A(H5N1) is spreading globally after first appearing in Asia. It is epizootic (an epidemic in nonhumans) and panzootic (affecting animals of many species, especially over a wide area), killing tens of millions of birds and spurring the culling of hundreds of millions of others to stem its spread. Most references to "bird flu" and H5N1 in the popular media refer to this strain.
Keywords	Influenza A virus subtype H5N1; H5N1; Avian influenza; avian flu; bird flu; highly pathogenic avian influenza; HPAI

REFERENCES

1. Ungchusak K, Auewarakul P, Dowell SF, et al. (January 2005). "Probable person-to-person transmission of avian influenza A (H5N1)". N Engl J Med 352 (4): 333–40.

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