

H5N1 Vietnam

Description: Recombinant Full-Length H5N1 A/Vietnam/1203/04 is glycosylated with N-linked sugars, produced using baculovirus and when processed under denaturing conditions splits into the HA1 and HA2 domains which are approximately 45,000 and 25,000 Daltons respectively H5N1 A/Vietnam/1203/04 accession number is ISDN38687.

Catalog #: IHPS-017

For research use only.

Source: Baculovirus Insect Cells.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: V K M E K I V L L F A I V S L V K S D Q I C I G Y H A N N S T E Q V D T
I M E K N V T V T H A Q D I L E K K H N G K L C D L D G V K P L I L R D C S V A G W L L G N P
M C D E F I N V P E W S Y I V E K A N P V N D L C Y P G D F N D Y E E L K H L L S R I N H F

Purity: Greater than 90.0% as determined by Analysis by SDS-PAGE, HA1 and HA2 bands are observed using SDS-PAGE under reducing conditions.

Formulation:

The Recombinant H5N1 A/Vietnam/1203/04 solution contains 10mM Sodium Phosphate, pH 7.0, 0.005% Tween-20 and 150mM NaCl.

Stability:

H5N1 A/Vietnam/1203/04 Recombinant should be stored at 4°C.

Usage:

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Introduction:

Influenza A virus subtype H5N1 is a subtype of the Influenza A virus. Subtype H5N1 is commonly known as avian influenza or bird flu. H5N1 may cause more than one influenza pandemics it is expected to continue mutating in birds. The dominant strain of HPAI A (H5N1) evolved creating the Z genotype. It has also been called Asian lineage HPAI/A/H5N1 which is divided into 2 antigenic clades. "Clade 1 includes human and bird isolates from Vietnam, Thailand, and Cambodia and bird isolates from Laos and Malaysia. Clade 2 viruses were first identified in bird isolates from China, Indonesia, Japan, and South Korea before spreading westward to the Middle East, Europe, and Africa.

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