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**H5N1 Influenza-A Virus Vietnam 1203/04 Recombinant  
VIRAL ANTIGEN**

**Catalog Number:** PRP-010  
**Quantity:** 2 micrograms, 10 micrograms, 100 micrograms  
**Format:** Sterile-filtered colorless solution  
**Host:** *Baculovirus Insect Cells*

**Background:**

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 pandemic as 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.

**Specificity and Preparation:**

Recombinant full-length H5N1 A/Vietnam/1203/04 is glycosylated with N-linked sugars. It is 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. The solution contains 10mM sodium phosphate, pH 7.1, 0.005% Tween-20 and 150mM NaCl. Purity is greater than 90.0% as determined by SDS-PAGE, HA1 and HA2 bands are observed using SDS-PAGE under reducing conditions.

**Usage and Storage:**

Reported to be effective for immunoblotting (western blot, 0.1  $\mu$ g-1  $\mu$ g per strip) and ELISA (1  $\mu$ g/well). Material should be stored at 4°C. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

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