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**H5N1 Influenza-A Virus Indonesia 05/05 Recombinant  
VIRAL ANTIGEN**

**Catalog Number:** PRP-032  
**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/Indonesia/05/2005 is glycosylated with N-linked sugars. It is produced using baculovirus vectors in insect cells and contains 6x His tag. The solution contains 10mM sodium phosphate, pH 7.2, 150mM NaCl and 0.005% Tween-20. Purity is greater than 90.0% as determined by SDS-PAGE.

**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). Store material at 4°C. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

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