

Vietnam HN31242/2007

Description: Recombinant Vietnam HN31242/2007 produced in Hi-5 cell of Baculovirus is a single polypeptide chain containing 332 amino acids (17-338) and having a molecular mass of 37.4kDa. H5N1 is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Catalog #: IHPS-042

For research use only.

Source: Baculovirus

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: ADPMDQICIG YHANNSTEQV DTIMEKNVTV THAQDILEKT
HNGKLCDLDG VKPLILRDCS VAGWLLGNPM CDEFINVEPW SYIVEKANPA NDLCYPGNFN
DYEELKHLLS RINHFEDIQI IPKSSWSDE ASSGVSSACP YQGVPSFFRN VVWLIKNNNT
YPTIKRSYNN TNQEDLLILW GIHHSNDAE QTKLYQNPTT YISVGTSTLN QRLVPKIATR
SKVNGQSGRM DF

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

The H5N1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

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 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.

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