

Recombinant H5N1 (A/Vietnam HN31242/2007) H5N1V07 protein, His-tagged

Cat. No. H5N1V07-236I **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	H5N1
Source	Insect Cells
ProteinLength	332 amino acids (17-338)
Description	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.
Form	Sterile Filtered colorless solution. The H5N1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.

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Molecular Mass	37.4kDa
AA sequence	ADPMDQICIGYHANNSTEQVDTIMEKNVTVTHAQDILEKTHNGKLCDLDGVKPLILRD CSVAGWLLGNPMCDEFINVPEWSYIVEKANPANDLCYPGNFNDYEELKHLLSRINHF EKIQIIPKSSWSDHEASSGVSSACPYQGVPSFFRNVWVLIKKNNPTYPTIKRSYNNTN QEDLLILWGIHHSNDAAEQTKLYQNPTTYISVGTSTLNQRLVPKIATRISKVNGQSGR MDFFWTILKPNDAINFESNGNFIAPEYAYKIVKKGDSAIMKSEVEYGNCNTKCQTPIG AINSSMPFHNIHPLTIGECPKYVKS NKLVLATGLRNSPLHHHHHH.
Purity	Greater than 90% as determined by SDS-PAGE.
Usage	The products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
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.
Shipping	Ice Packs