

## New York 3571/2009

**Description:** H1N1 produced in Hi-5 cell of Baculovirus is a single polypeptide chain containing 339 amino acids (18-344) and having a molecular mass of 37.8kDa. H1N1 is fused to a 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** IHPS-026

**Source:** Baculovirus

For research use only.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** ADLMDTLCIG YHANNSTDTV DTVLEKNVTV THSVNLLEDK  
HNGKLCKLRG VAPLHLGKCN IAGWILGNPE CESLSTASSW SYIVETSSSD NGTCYPGDFI  
DYEELREQLS SVSSFERFEI FPKTSSWPNH DSNKGVTAAC PHAGAKSFYK NLIWLVKKGN  
SYPKLSKSYI NDKGKEVLVL WGIHPSTSA DQQSLYQNAD AYYFVGSSRY SKKFKPEIAI  
RPKVRDQEGR MN

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

**Formulation:**

The H1N1 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:**

NeoBiolab's 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.

**Introduction:**

H1N1 is subtype specie of Influenza A virus. H1N1 Influenza Virus has mutated into various strains such as the Spanish Flu strain, mild human flu strains, endemic pig strains, and various strains found in birds. Influenza hemagglutinin is a type of hemagglutinin found on the surface of the influenza viruses and it is an antigenic glycoprotein. H1N1 controls the virus binding to the cell which it is infecting. HA protein has two purposes - it enables the recognition of target vertebrate cells by binding of these cells' sialic acid-containing receptors and then enables the entrance of the viral genome into the target cells by causing the fusion of host endosomal membrane with the viral membrane.

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