

Recombinant Influenza hemagglutinin Protein, His tagged

Cat. No. HA-282I **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza hemagglutinin Protein (Met1-Gln529) with poly-His tag at C-terminal was expressed in Sf9 insect cells.
Species	Influenza
Source	Sf9 Cells
ProteinLength	Met1-Gln529
Description	Influenza hemagglutinin (HA) is a glycoprotein found on the surface of the influenzavirus. It is responsible for binding the virus to cells with sialic acid on their membranes, such as cells in the upper respiratory tract or erythrocytes. It is also responsible for the fusion of the viral envelope with the endosome membrane after the pH has been reduced. The name "hemagglutinin" comes from the protein's ability to cause red blood cells (erythrocytes) to clump together in vitro. HA has two functions. First, it allows the recognition of target vertebrate cells, accomplished through binding to these cells' sialic acid-containing receptors. Second, once bound it facilitates the entry of the viral genome into the target cells by causing the fusion of the host endosomal membrane with the viral membrane. H1N1 is a subtype of influenza virus A and the most common cause of influenza in humans.
Tag	C-His
Molecular Mass	~66 kDa

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Endotoxin	< 1 EU/μg of protein by gel clotting method
Purity	> 95% as analyzed by SDS-PAGE > 95% as analyzed by HPLC
Storage	Upon receiving, this product remains stable for up to 6 months at lower than -70 centigrade. Upon reconstitution, the product should be stable for up to 1 week at 4 centigrade or up to 3 months at -20 centigrade. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from a solution in 20 mM PB buffer (pH 7.4), 300 mM NaCl, 5% mannitol, 5% trehalose.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH ₂ O up to 200 μg /mL.

GENE INFORMATION

Official Symbol	HA
Synonyms	HA; hemagglutinin
UniProt ID	C3W5S1

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