

Recombinant Influenza [A/Thailand/1(KAN-1)/2004(H5N1)] Neuraminidase (NA) protein, His-tagged

Cat. No. NA-346I **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza [A/Thailand/1(KAN-1)/2004(H5N1)] Neuraminidase (NA) protein (His36-Lys449), fused to His tag at N-terminus, was expressed in human 293 cells (HEK293).
Species	Influenza [A/Thailand/1(KAN-1)/2004(H5N1)]
Source	HEK293
ProteinLength	414
Description	Neuraminidase (NA) and hemagglutinin (HA) are major membrane glycoproteins found on the surface of influenza virus. Hemagglutinin binds to the sialic acid-containing receptors on the surface of host cells during initial infection and at the end of an infectious cycle. Neuraminidase, on the other hand, cleaves the HA-sialic acid bondage from the newly formed virions and the host cell receptors during budding. Neuraminidase thus is described as a receptor-destroying enzyme which facilitates virus release and efficient spread of the progeny virus from cell to cell.
Form	Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 46.1 kDa. The protein migrates as 48 kDa under reducing (R) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per ug by the LAL method.

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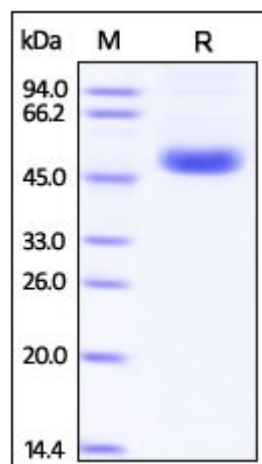
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Purity	>92% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Official Symbol	NA
UniProt ID	H8PF47

SDS-PAGE of NA-346I



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Influenza Neuraminidase (NA), His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 92%.

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