



## Synonym

NA, Neuraminidase

## Source

Influenza A [A/Thailand/1(KAN-1)/2004(H5N1)] Neuraminidase (NA) Protein, His Tag (HA1-V5245) is expressed from human 293 cells (HEK293). It contains AA His 36 - Lys 449 (Accession # H8PF47\_9INFA, GISAID).

Predicted N-terminus: His

## Molecular Characterization

Poly-his Neuraminidase (NA)(His 36 - Lys 449)  
H8PF47\_9INFA

This protein carries a polyhistidine tag at the N-terminus.

The protein has a calculated MW of 53.2 kDa. The protein migrates as 65 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Endotoxin

Less than 1.0 EU per µg by the LAL method.

## Purity

>90% as determined by SDS-PAGE.

## Formulation

Supplied as 0.2 µm filtered solution in PBS, pH7.4, 300 mM NaCl with trehalose as protectant.

Contact us for customized product form or formulation.

## Shipping

*This product is supplied and shipped with dry ice, please inquire the shipping cost.*

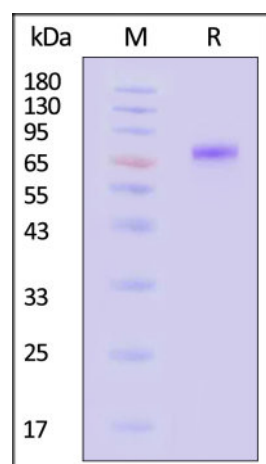
## Storage

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

## SDS-PAGE



Influenza A [A/Thailand/1(KAN-1)/2004(H5N1)] Neuraminidase (NA) Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

## Background

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.

## Clinical and Translational Updates

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# Influenza A [A/Thailand/1(KAN-1)/2004(H5N1)] Neuraminidase (NA) Protein, His Tag

Catalog # HA1-V5245



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