

## NA/Neuraminidase Protein, H5N1 (ABU94738, sf9, His)

Cat. No.:	HY-P73758
Synonyms:	NA; Neuraminidase; NA/Neuraminidase Protein, H5N1 (A/Anhui/1/2005, sf9, His)
Species:	Virus
Source:	Sf9 insect cells
Accession:	ABU94738 (H36-K449)
Gene ID:	/
Molecular Weight:	Approximately 51.1 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, 10% Glycerol, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	Neuraminidase (NA) is described as a receptor-destroying enzyme because it cleaves a terminal sialic acid from the cellular receptors. NA may facilitate viral invasion of the upper airways by cleaving the sialic acid moieties on the mucin of the airway epithelial cells. NA catalyzes the removal of terminal sialic acid residues from viral and cellular glycoconjugates, cleaves off the terminal sialic acids on the glycosylated HA during virus budding to facilitate virus release and additionally helps virus spread through the circulation by further removing sialic acids from the cell surface. These cleavages prevent self-aggregation and ensure the efficient spread of the progeny virus from cell to cell or the infection would be limited to one round of replication. NA also plays a role in the determination of host range restriction on replication and virulence <sup>[1][2]</sup> .
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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