

Recombinant Influenza A H5N1 (A/Anhui/1/2005) NA protein(Met1-Lys449)

Cat. No. NA-2416H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A virus (A/Anhui/1/2005 (H5N1)) neuraminidase (ABU94738.1) (Met 1-Lys 449) was expressed in HEK293, the cell lysates are collected, and bio-activity was tested.
Species	H5N1
Source	HEK293
ProteinLength	Met1-Lys449
Form	Lyophilized from sterile PBS, 0.6% Triton X-100, 7% Trehalose, 6% Mannitol, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to cleave a fluorogenic substrate, 2'-(4-Methylumbelliferyl)- α -D-N-acetylneuraminic acid. The specific activity is > 60 U. One unit is defined as the amount of enzyme required to cleave 1 nmole of 2'-(4-Methylumbelliferyl)- α -D-N-acetylneuraminic acid per minute at pH 7.5 at 37°C.
Molecular Mass	The recombinant influenza A H5N1 Neuraminidase comprises 449 amino acids and has a predicted molecular mass of 49.2 kDa.
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method

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Storage

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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.

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