

Active Recombinant Influenza A H7N7 (A/Netherlands/219/2003) NA protein

Cat. No. NA-0409H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Influenza A H7N7 (A/Netherlands/219/2003) NA protein(Met1-Ser471)(AAR11367.1) was expressed in HEK293.
Species	Influenza A H7N7 (A/Netherlands/219/2003)
Source	HEK293
ProteinLength	Met1-Ser471
Form	Lyophilized from sterile PBS, 187mM NaCl, 2.7mM KCl, 10mM Na ₂ HPO ₄ , 1.8mM KH ₂ PO ₄ , 1%TritonX-100, 6%trehalose, 5.3%manicol, PH 7.4.Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to cleave a fluorogenic substrate, 2'-(4-Methylumbelliferyl)-α-D-N-acetylneuraminic acid.The specific activity is > 100 U.The specific activity is > 10 00 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 H7N7 Neuraminidase comprises 471 amino acids and has a predicted molecular mass of 51.8kDa.
Endotoxin	< 1.0 EU per

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µg of the protein as determined by the LAL method

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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