Product Information Sheet for NR-44366

N9 Neuraminidase (NA) Protein with N-Terminal Histidine Tag from Influenza Virus, A/Anhui/1/2013 (H7N9), Recombinant from Baculovirus

Catalog No. NR-44366
This reagent is the tangible property of the U.S. Government.

For research use only. Not for human use.

Contributor:
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Manufacturer:
BEI Resources

Product Description:
A recombinant form of the N9 neuraminidase (NA) protein from influenza A virus, A/Anhui/1/2013 (H7N9) containing an N-terminal histidine tag was produced in Sf9 insect cells using a baculovirus expression vector system and purified by nickel affinity chromatography. The predicted ectodomain coding region of the NA gene was fused to a synthetic gene segment encoding an N-terminal six histidine tag followed by a tetramerization domain from vasodilator-stimulated phosphoprotein (VASP) and a thrombin cleavage site. The full-length NA precursor protein is 465 residues (GIasaid EpiFlu: EPI439509).

Material Provided:
Each vial contains 25 μg to 75 μg of purified recombinant NA protein in PBS (pH 7.4). The protein content in μg and the concentration, expressed as μg per mL, are shown on the Certificate of Analysis.

Packaging/Storage:
Purified recombinant NA protein was packaged aseptically in screw-capped plastic cryovials. This product is provided on blue ice and should be stored at -20°C immediately upon arrival.

Functional Activity:
NR-44366 was demonstrated to be functionally active based on its ability to cleave the fluorogenic substrate 2'-(4-methylumbelliferyl)-α-D-N-acetylneuraminic acid (4-MUNANA).

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: N9 Neuraminidase (NA) Protein with N-Terminal Histidine Tag from Influenza Virus, A/Anhui/1/2013 (H7N9), Recombinant from Baculovirus, NR-44366.”

Biosafety Level: 1

Disclaimers:
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References:

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