Active Recombinant H5N1 (A/Anhui/1/2005) NA protein(H255Y mutation)

Cat. No. NA-488H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant H5N1 (A/Anhui/1/2005) NA protein(ABU94738.1) (Met 1-Lys 449) was expressed in HEK293, the cell lysates are collected, and bio-activity was tested. There is an amino acid change from Histidine to Tyrosine (H255Y mutation) in NA / Neuraminidase.
Species	H5N1
Source	HEK293
ProteinLength	1-449 aa
Form	Lyophilized from sterile PBS, 0.6% Triton X-100, 7% Trehalose, 6% Mannitol, pH 7.4.
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. The specific activity is > 300 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 450 amino acids and has a predicted molecular mass of 49.2 kDa.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	aliquot the protein into smaller quantities 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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