

## Active Recombinant H1N1(A/California/04/2009) NA Protein(N295S mutation)

Cat. No. NA-8513H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant H1N1(A/California/04/2009) NA Protein(N295S mutation)(ACP41107.1) (Met 1-Lys 469) was expressed in HEK293, the cell lysates are collected, and bio-activity was tested. There is an amino acid change from Asparagine to Serine (N295S mutation) in NA / Neuraminidase.
<b>Species</b>	H1N1
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-469 aa, N295S mutation
<b>Form</b>	Lyophilized from sterile PBS, 0.6% Triton X-100, 7% Trehalose, 6% Mannitol, pH 7.4.
<b>Bio-activity</b>	Measured by its ability to cleave a fluorogenic substrate, 2'-(4-Methylumbelliferyl)- $\alpha$ -D-N-acetylneuraminic acid. The specific activity is > 800 U. One unit is defined as the amount of enzyme required to cleave 1 nmole of 2'-(4-Methylumbelliferyl)- $\alpha$ -D-N-acetylneuraminic acid per minute at pH 7.5 at 37°C.
<b>Molecular Mass</b>	The recombinant influenza A H1N1 Neuraminidase comprises 469 amino acids and has a predicted molecular mass of 52 kDa.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.
<b>Purity</b>	> 90 % as determined by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



**Storage**

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA