# Active Recombinant Influenza A H1N1(A/California/04/2009 (H1N1) NA protein(Met1-Lys469(N295S mutation))

**Cat. No.** NA-3298V **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Influenza A H1N1(A/California/04/2009 (H1N1) NA protein(ACP41107.1)(Met1-Lys469(N295S mutation)) was expressed in HEK293. |
| **Species** | Influenza A H1N1(A/California/04/2009 (H1N1) |
| **Source** | HEK293 |
| **ProteinLength** | Met1-Lys469(N295S mutation) |
| **Form** | Lyophilized from sterile PBS, 0.6% Triton X-100, 7% Trehalose, 6% Mannitol, pH 7.4Please 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 > 800 U.One unit is defined as the a mount of enzyme required to cleave 1 nmole of 2'-(4-Methylumbelliferyl)-α-D-N-acetyl neuraminic acid per minute at pH 7.5 at 37°C. |
| **Molecular Mass** | The recombinant influenza A H1N1 Neuraminidase comprises 469 amino acids and has a predicted molecular mass of 52 kDa. |
| **Endotoxin** | < 1.0 EU per μg 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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