Creative Enzymes
Diagnostic Enzymes

Neuraminidase from Microorganism

Product Information

Cat#	NATE-1716
Abbr	NRH (Microorganism)
Similar	α-Neuraminidase
Source	Microorganism
Description	Neuraminidase enzymes are glycoside hydrolase enzymes (EC 3.2.1.18) that cleave the glycosidic linkages of neuraminic acids. Neuraminidase enzymes are a large family, found in a range of organisms. The best-known neuraminidase is the viral neuraminidase, a drug target for the prevention of the spread of influenza infection. The viral neuraminidases are frequently used as antigenic determinants found on the surface of the Influenza virus. Some variants of the influenza neuraminidase confer more virulence to the virus than others. Other homologs are found in mammalian cells, which have a range of functions.
Form	White powder, lyophilized
Enzyme Commission Number	EC 3.2.1.18
Activity	>300U/mg protein
CAS No.	9001-67-6
Molecular Weight	52 kDa (SDS-PAGE)
Isoelectric point	5.86
pH Stability	4.0~10.0 (25℃, 25hr)
Michaelis Constant	1.02 mM (sialyllactose pH6.5)
Unit Definition	One unit will deaminated one micromole of NAcetylneuraminy-R to N-Actylneuraminate per minute at pH 7.5 at 37℃.

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Optimum pH	5
Optimum temperature	50℃
Thermal stability	< 40℃ (pH 7.5, 10min)
Storage	Store at -20°C.
Inhibitors	Ag+, Hg2+
Synonyms	sialidase; α-neuraminidase; acetylneuraminidase; exo-α-sialidase; EC 3.2.1.18; 9001-67-6

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