Creative Enzymes®

Neuraminidase, recombinant

Cat. No. NATE-1683

Lot. No. (See product label)

Introduction

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.
Synonyms	neuraminidase; sialidase; α-neuraminidase; acetylneuraminidase; exo-α-sialidase; EC 3.2.1.18; 9001-67-6

Product Information

Form	White powder, lyophilized
Formulation	0.05 M Tris base and 0.5 M NaCl (before lyophilizing)
EC Number	EC 3.2.1.18
CAS No.	9001-67-6
Molecular Weight	About 58kDa (SDS-PAGE detection)
Purity	90% (SDS-PAGE test)
Activity	100U/mg protein
Buffer	50mM phosphate buffer, pH6.8
Unit Definition	One unit will convert 1μmol of saliva to hydrolysis per min at pH6.5 at 37°C.

Storage and Shipping Information

Storage	4°C,store at -20°C for long-term preservation