Creative Enzymes®

Native Streptococcus pneumoniae α (2→3) Neuraminidase

Cat. No. NATE-0757

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

Source	Streptococcus pneumoniae
Form	buffered aqueous solution. Solution in 50 mM sodium phosphate, pH 7.5
EC Number	EC 3.2.1.18
CAS No.	9001-67-6
Pathway	Other glycan degradation, organism-specific biosystem; Sphingolipid metabolism, organism-specific biosystem; Sphingolipid metabolism, conserved biosystem
Unit Definition	One unit will hydrolyze 1μmole of 4-methylumbelliferyl α-D-N-acetylneuraminide per min at pH 5.0 at 37°C.

Storage and Shipping Information

Storage	2-8°C