

Native Pseudomonas sp. Sphingolipid ceramide N-deacylase

Cat. No. NATE-0896 Lot. No. (See product label)

Introduction	
Description	Sphingolipid ceramide N-deacylase (SCDase) is derived from Pseudomonas and hydrolyzes the N-acyl linkage between fatty acids and sphingosine bases in ceramides of various sphingolipids. The enzyme also catalyzes the reverse reaction and possesses transacylation activity. SCDase acts on various acidic and neutral glycosphingolipids and sphingomyelin; however, it exhibits low activity with ceramides.
Applications	Hydrolysis of N-acyl linkages between fatty acids and sphingosine bases Sphingolipid hydrolysis
Synonyms	SCDase; Sphingolipid ceramide N-deacylase
Product Information	
Species	Pseudomonas sp.
Source	Pseudomonas sp.
Form	Solution in 50 mM sodium acetate (pH 6.0) containing 0.1% Lubrol PX
Concentration	5 mU/µL
Optimum pH	рН 5.0-6.0
Inhibitors	Hg2+, Zn2+ and Cu2+
Unit Definition	One unit is defined as the amount of enzyme required to catalyze the hydrolysis of 1 μmol of asialo GM1 per minute.

Storage and Shipping Information

StorageStore at -20°C until use. Store reconstituted solution in aliquots at -20°C. Avoid
freeze-thaw.