

## AminoAcylase (Industry grade)

Cat. No. NATE-1620

Lot. No. (See product label)

### Introduction

### Description

In enzymology, an aminoacylase (EC 3.5.1.14) is an enzyme that catalyzes the chemical reaction: N-acyl-L-amino acid + H<sub>2</sub>O ⇌ carboxylate + L-amino acid. Thus, the two substrates of this enzyme are N-acyl-L-amino acid and H<sub>2</sub>O, whereas its two products are carboxylate and L-amino acid. This enzyme belongs to the family of hydrolases, those acting on carbon-nitrogen bonds other than peptide bonds, specifically in linear amides. This enzyme participates in urea cycle and metabolism of amino groups.

### Product Information

**Form** Lyophilized powder

**EC Number** EC 3.5.1.14

**CAS No.** 9012-37-7

**Purity** 98.00%

### Storage and Shipping Information

**Storage** at -4-25°C, dry, dark conditions for 3 years,