

## 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:  $\text{N-acyl-L-amino acid} + \text{H}_2\text{O} \rightleftharpoons \text{carboxylate} + \text{L-amino acid}$ . Thus, the two substrates of this enzyme are N-acyl-L-amino acid and  $\text{H}_2\text{O}$ , 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

<b>Form</b>	Lyophilized powder
<b>EC Number</b>	EC 3.5.1.14
<b>CAS No.</b>	9012-37-7
<b>Purity</b>	0.98

### Storage and Shipping Information

<b>Storage</b>	at -4-25°C, dry, dark conditions for 3 years,
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