Creative Enzymes®

# Native Pseudomonas sp. Polymyxin Acylase

*Cat. No. NATE-0611*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | Polymyxin acylase, from Pseudomonas sp. deacylates polymyxin group antibiotics and long-chain fatty acyl groups of proteins. Polymyxin acylase has an affinity for long-chain fatty acyl proteins in human carcinoma cells. |
| ***Applications*** | Polymyxin acylase, from Pseudomonas sp., is a N-myristoyl cleaving enzyme that has been used to determine the N-myristoyl peptide sequence and may be useful in cancer research since it has antitumor activity against murine and human tumor cells. |
| ***Synonyms*** | Polymyxin Acylase; Peptide N-fatty acylase |

## Product Information

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| ***Source*** | Pseudomonas sp. |
| ***CAS No.*** | 111174-43-7 |
| ***Activity*** | > 0.1 units/mg solid |
| ***Unit Definition*** | One unit will hydrolyze 1 μmole of N-octanoyl-5-aminovaleric acid per min at pH 8.0 at 37°C. |

## Storage and Shipping Information

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| ***Stability*** | −20°C |