

## 6-aminohexanoate-oligomer endohydrolase

Cat. No. EXWM-4397

Lot. No. (See product label)

### Introduction

#### Description

The enzyme is involved in degradation of nylon-6 oligomers. It degrades linear or cyclic oligomers of poly(6-aminohexanoate) with a degree of polymerization greater than three ( $n > 3$ ) by endo-type cleavage, to oligomers of a length of two or more ( $2 \leq x < n$ ). It shows negligible activity with N-(6-aminohexanoyl)-6-aminohexanoate (cf. EC 3.5.1.46, 6-aminohexanoate-oligomer exo hydrolase) or with 1,8-diazacyclotetradecane-2,9-dione (cf. EC 3.5.2.12, 6-aminohexanoate-cyclic-dimer hydrolase).

#### Synonyms

endo-type 6-aminohexanoate oligomer hydrolase; Ahx endo-type-oligomer hydrolase; 6-aminohexanoate oligomer hydrolase; Ahx-oligomer hydrolase; nylon hydrolase; nylon-oligomer hydrolase; NylC; nylon-6 hydrolase (ambiguous)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.5.1.117

#### Reaction

$[N-(6\text{-aminohexanoyl})]_n + H_2O = [N-(6\text{-aminohexanoyl})]_{n-x} + [N-(6\text{-aminohexanoyl})]_x$

#### Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

#### Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.