Creative Enzymes®

poly(3-hydroxybutyrate) depolymerase

Cat. No. EXWM-3503

Lot. No. (See product label)

Introduction

Description	Reaction also occurs with esters of other short-chain-length (C1-C5) hydroxyalkanoic acids (HA). There are two types of polymers: native (intracellular) granules are amorphous and have an intact surface layer; denatured (extracellular) granules either have no surface layer or a damaged surface layer and are partially crystalline.
Synonyms	PHB depolymerase; poly(3HB) depolymerase; poly[(R)-hydroxyalkanoic acid] depolymerase; poly(HA) depolymerase; poly(HASCL) depolymerase; poly[(R)-3-hydroxybutyrate] hydrolase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.1.1.75
CAS No.	9014-11-3
Reaction	[(R)-3-hydroxybutanoate]n + H2O = [(R)-3-hydroxybutanoate]n-x + [(R)-3-hydroxybutanoate]x; x = 1–5
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.