

6-aminohexanoate-oligomer exohydrolase

Cat. No. EXWM-4434 Lot. No. (See product label)

Introduction	
Description	The enzyme is involved in degradation of nylon-6 oligomers. It degrades linear oligomers of 6-aminohexanoate with a degree of polymerization of 2-20 by exo- type cleavage, removing residues sequentially from the N-terminus. Activity decreases with the increase of the polymerization number of the oligomer. cf. EC 3.5.1.117, 6-aminohexanoate-oligomer endohydrolase and EC 3.5.2.12, 6- aminohexanoate-cyclic-dimer hydrolase.
Synonyms	6-aminohexanoate-dimer hydrolase; nylB (gene name); 6-aminohexanoic acid oligomer hydrolase (ambiguous); N-(6-aminohexanoyl)-6-aminohexanoate amidohydrolase; nylon-6 hydrolase (ambiguous)
Product Information	
Form	Liquid or lyophilized powder
EC Number	EC 3.5.1.46
CAS No.	75216-15-8
Reaction	(1) [N-(6-aminohexanoyl)]n + H2O = [N-(6-aminohexanoyl)]n-1 + 6- aminohexanoate; (2) N-(6-aminohexanoyl)-6-aminohexanoate + H2O = 2 6- aminohexanoate
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.