## Accepted Manuscript

Structural and biochemical characterization of a multidomain alginate lyase reveals a novel role of CBM32 in CAZymes

Qianqian Lyu, Keke Zhang, Qiaoyun Zhu, Zhijian Li, Yujie Liu, Elisabeth Fitzek, Tanner Yohe, Liming Zhao, Weihua Li, Tao Liu, Yanbin Yin, Weizhi Liu

PII: S0304-4165(18)30156-9

DOI: doi:10.1016/j.bbagen.2018.05.024

Reference: BBAGEN 29130

To appear in: BBA - General Subjects

Received date: 27 March 2018 Revised date: 29 May 2018 Accepted date: 31 May 2018



This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



# **ACCEPTED MANUSCRIPT**

### Structural and biochemical characterization of a multidomain alginate

### lyase reveals a novel role of CBM32 in CAZymes

Qianqian Lyu<sup>1,2</sup>, Keke Zhang<sup>1</sup>, Qiaoyun Zhu<sup>1</sup>, Zhijian Li<sup>1</sup>, Yujie Liu<sup>1</sup>, Elisabeth Fitzek<sup>3</sup>, Tanner Yohe<sup>3</sup>, Liming Zhao<sup>4</sup>, Weihua Li<sup>5</sup>, Tao Liu<sup>1</sup>, Yanbin Yin<sup>3</sup>, Weizhi Liu<sup>1,2</sup>\*

<sup>&</sup>lt;sup>1</sup> MOE Key Laboratory of Marine Genetics and Breeding, College of Marine Life Sciences, Ocean University of China, Qingdao, 266003, China

<sup>&</sup>lt;sup>2</sup> Laboratory for Marine Biology and Biotechnology, Qingdao National Laboratory for Marine Science and Technology, Qingdao, 266235, China.

<sup>&</sup>lt;sup>3</sup>Department of Biological Sciences, Northern Illinois University, DeKalb, IL 60115, USA.

<sup>&</sup>lt;sup>4</sup>School of Biotechnology, State Key Laboratory of Bioreactor Engineering, R&D Cent er of Separation and Extraction Technology in Fermentation Industry, Shanghai, 200237, China.

<sup>&</sup>lt;sup>5</sup> Shanghai Key Laboratory of New Drug Design, School of Pharmacy, East China University of Science and Technology, Shanghai, 200237, China.

<sup>\*</sup>To whom correspondence should be addressed: Email: liuweizhi@ouc.edu.cn

#### Download English Version:

# https://daneshyari.com/en/article/8300695

Download Persian Version:

https://daneshyari.com/article/8300695

<u>Daneshyari.com</u>