Accepted Manuscript

Title: Construction, expression and characterization of a fusion protein HBscFv-IFNγ in *Komagatella (Pichia) pastoris* X33

Authors: Ming-Hua Liang, Shi-Shui Zhou, Jian-Guo Jiang

PII: S0141-0229(17)30067-4
DOI: http://dx.doi.org/doi:10.1016/j.enzmictec.2017.04.001
Reference: EMT 9065

To appear in: *Enzyme and Microbial Technology*

Received date: 31-5-2016
Revised date: 25-3-2017
Accepted date: 2-4-2017

Please cite this article as: Liang Ming-Hua, Zhou Shi-Shui, Jiang Jian-Guo.Construction, expression and characterization of a fusion protein HBscFv-IFNγ in Komagatella (Pichia) pastoris X33.*Enzyme and Microbial Technology* http://dx.doi.org/10.1016/j.enzmictec.2017.04.001

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

Construction, expression and characterization of a fusion protein HBscFv-IFNγ in *Komagatella (Pichia) pastoris* X33

Ming-Hua Liang [1, 2], Shi-Shui Zhou [1]*, Jian-Guo Jiang [2]*

[1] School of Biological Science & Engineering, South China University of Technology, Guangzhou, 510006, China

[2] College of Food Science and Engineering, South China University of Technology, Guangzhou, 510640, China

*Author (Shi-Shui Zhou) for correspondence (e-mail: hgzhouss@scut.edu.cn; phone +86-20-39380601; fax: +86-20-39380601).

*Author (Jian-Guo Jiang) for correspondence (*e-mail*: jgjiang@scut.edu.cn; phone: +86-20-87113849; fax: +86-20-87113849).

Highlights

- ►The engineering strain X4 was able to obtain higher expression of HBscFv-IFNγ.
- ►HBscFv-IFNγ displayed an excellent immunoreaction against HBsAg.
- ► HBscFv-IFNγ was purified from the culture supernatant of X4 with a purity of 95~98%.
- ►HBscFv–IFNγ was able to bind 27.9% HBsAg in the serum of HBV transgenic mice.

Download English Version:

https://daneshyari.com/en/article/4752762

Download Persian Version:

https://daneshyari.com/article/4752762

Daneshyari.com