Accepted Manuscript

The electrochemical behavior of a FAD dependent glucose dehydrogenase with direct electron transfer subunit by immobilization on self-assembled monolayers



Inyoung Lee, Noya Loew, Wakako Tsugawa, Chi-En Lin, David Probst, Jeffrey T. La Belle, Koji Sode

| PII: | S1567-5394(17)30560-1 |
|----------------|--|
| DOI: | https://doi.org/10.1016/j.bioelechem.2017.12.008 |
| Reference: | BIOJEC 7090 |
| To appear in: | Bioelectrochemistry |
| Received date: | 5 November 2017 |
| Revised date: | 16 December 2017 |
| Accepted date: | 16 December 2017 |

Please cite this article as: Inyoung Lee, Noya Loew, Wakako Tsugawa, Chi-En Lin, David Probst, Jeffrey T. La Belle, Koji Sode, The electrochemical behavior of a FAD dependent glucose dehydrogenase with direct electron transfer subunit by immobilization on self-assembled monolayers. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Biojec(2017), https://doi.org/10.1016/j.bioelechem.2017.12.008

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

The electrochemical behavior of a FAD dependent glucose dehydrogenase with direct electron transfer subunit by immobilization on self-assembled monolayers

Inyoung Lee^a, Noya Loew^a, Wakako Tsugawa^a, Chi-En Lin^b, David Probst^b, Jeffrey T. La Belle^b, Koji Sode^{a, c*,d}

^a Department of Biotechnology and Life Science, Graduate School of Engineering, Tokyo University of Agriculture and Technology, 2-24-16 Naka-cho, Koganei, Tokyo 184-8588, Japan
^b Harrington Program of Biomedical Engineering, in the School of Biological and Health Systems Engineering, Arizona State University, Tempe, AZ, 85287, USA
^c Ultizyme International Ltd., 1-13-16 Minami, Meguro, Tokyo 152-0013, Japan
^d Joint Department of Biomedical Engineering, University of North Carolina at Chapel Hill and North Carolina State University, Chapel Hill, North Carolina, 27599.

* Corresponding Author

Koji Sode, Tokyo University of Agriculture and Technology, 2-24-16 Naka-cho, Koganei, Tokyo 184-8588, Japan; email address sode@cc.tuat.ac.jp

1

Download English Version:

https://daneshyari.com/en/article/7704509

Download Persian Version:

https://daneshyari.com/article/7704509

Daneshyari.com