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Published in:
Biochemical Journal

DOI:
[10.1042/BJ20071591](https://doi.org/10.1042/BJ20071591)

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version
Publisher's PDF, also known as Version of record

Publication date:
2008

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

Heuts, D. P. H. M., Winter, R. T., Damsma, G. E., Janssen, D. B., & Fraaije, M. W. (2008). The role of double covalent flavin binding in chito-oligosaccharide oxidase from *Fusarium graminearum*. *Biochemical Journal*, 413(1), 175-183. <https://doi.org/10.1042/BJ20071591>

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SUPPLEMENTARY ONLINE DATA

The role of double covalent flavin binding in chito-oligosaccharide oxidase from *Fusarium graminearum*

Dominic P. H. M. HEUTS, Remko T. WINTER, Gerke E. DAMSMA, Dick B. JANSSEN and Marco W. FRAAIJE¹

Laboratory of Biochemistry, Groningen Biomolecular Sciences and Biotechnology Institute, University of Groningen, Nijenborgh 4, 9747 AG Groningen, The Netherlands

Figure S1 SDS/PAGE of >95% purified wild-type m-ChitO and the m-ChitO mutants H94A and C154A

The gel was analysed for fluorescence (lanes marked F) and subsequently stained with Coomassie Brilliant Blue (lanes marked C). The fluorescent molecular marker (M) is home-made and consists of MBP-AldO (alditol oxidase) (88.1 kDa), VAO (63.7 kDa) and AldO (45.6 kDa).

¹ To whom correspondence should be addressed (email m.w.fraaije@rug.nl).

Figure S2 Redox measurements of wild-type m-ChitO fitted with eqn (4)

(A) Oxidation of wild-type m-ChitO. (B) Reduction of wild-type m-ChitO. (C) Selection of representative spectra during titration of wild-type m-ChitO during reduction.

Figure S3 Redox measurements of C154A m-ChitO fitted with eqn (4)

(A) Oxidation of C154A m-ChitO. (B) Reduction of C154A m-ChitO. (C) Selection of representative spectra during titration of C154A m-ChitO during reduction.

Figure S4 Redox measurements of H94A m-ChitO fitted with eqn (3)

(A) Reduction of H94A m-ChitO. (B) Selection of spectra during titration of H94A m-ChitO during reduction.

Received 26 November 2007/27 February 2008; accepted 19 March 2008
Published as BJ Immediate Publication 19 March 2008, doi:10.1042/BJ20071591