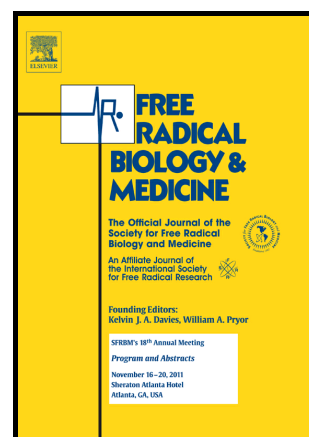


Author's Accepted Manuscript

An oxidation-resistant, recombinant Alpha-1 Antitrypsin produced in *Nicotiana benthamiana*

David Z. Silberstein, Kalimuthu Karuppanan, Hnin Hnin Aung, Ching-Hsien Chen, Carroll E. Cross, Karen A. McDonald



www.elsevier.com

PII: S0891-5849(18)30118-7
DOI: <https://doi.org/10.1016/j.freeradbiomed.2018.03.015>
Reference: FRB13662

To appear in: *Free Radical Biology and Medicine*

Received date: 20 February 2018
Accepted date: 11 March 2018

Cite this article as: David Z. Silberstein, Kalimuthu Karuppanan, Hnin Hnin Aung, Ching-Hsien Chen, Carroll E. Cross and Karen A. McDonald, An oxidation-resistant, recombinant Alpha-1 Antitrypsin produced in *Nicotiana benthamiana*, *Free Radical Biology and Medicine*, <https://doi.org/10.1016/j.freeradbiomed.2018.03.015>

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 galley proof before it is published in its final citable 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.

Free Radical Biology and Medicine

SUBMITTED November 9, 2017

REVISED SUBMISSION February 16, 2018

FRBM-D-17-01129

An oxidation-resistant, recombinant Alpha-1 Antitrypsin produced in

Nicotiana benthamiana

David Z. Silberstein¹, Kalimuthu Karuppanan¹, Hnin Hnin Aung², Ching-Hsien Chen², Carroll E. Cross^{2,3,4}, and Karen A. McDonald¹

¹ University of California, Davis, Department of Chemical Engineering, 1 Shields Ave, Davis, CA 95616

² University of California, Davis, Department of Medicine, 1 Shields Ave, Davis, CA 95616

³ University of California, Davis, Department of Physiology and Membrane Biology, 1 Shields Ave, Davis, CA 95616

⁴ Corresponding author.

Corresponding Author:

Carroll E. Cross, M.D.

Professor of Medicine and Physiology

4150 V Street, Suite 3400

Sacramento, CA 95817

Tel: 916-734-3564

cecross@ucdavis.edu

Download English Version:

<https://daneshyari.com/en/article/8265646>

Download Persian Version:

<https://daneshyari.com/article/8265646>

[Daneshyari.com](https://daneshyari.com)