

# Accepted Manuscript

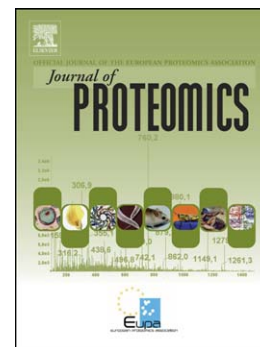
## The Wheat Chloroplastic Proteome

Abu Hena Mostafa Kamal, Kun Cho, Jong-Soon Choi, Kwang-Hee Bae,  
Setsuko Komatsu, Nobuyuki Uozumi, Sun Hee Woo

PII: S1874-3919(13)00156-5  
DOI: doi: [10.1016/j.jprot.2013.03.009](https://doi.org/10.1016/j.jprot.2013.03.009)  
Reference: JPROT 1352

To appear in: *Journal of Proteomics*

Received date: 4 December 2012  
Accepted date: 11 March 2013



Please cite this article as: Kamal Abu Hena Mostafa, Cho Kun, Choi Jong-Soon, Bae Kwang-Hee, Komatsu Setsuko, Uozumi Nobuyuki, Woo Sun Hee, The Wheat Chloroplastic Proteome, *Journal of Proteomics* (2013), doi: [10.1016/j.jprot.2013.03.009](https://doi.org/10.1016/j.jprot.2013.03.009)

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.

### The Wheat Chloroplastic Proteome

Abu Hena Mostafa Kamal<sup>1</sup>, Kun Cho<sup>2</sup>, Jong-Soon Choi<sup>3,4</sup>, Kwang-Hee Bae<sup>1</sup>, Setsuko Komatsu<sup>5</sup>, Nobuyuki Uozumi<sup>6</sup>, Sun Hee Woo<sup>7\*</sup>

<sup>1</sup>Medical Proteomics Research Center, Korea Research Institute of Bioscience and Biotechnology, Daejeon 305-806, Korea

<sup>2</sup>Division of Mass Spectrometry Research, Korea Basic Science Institute, Ochang, Chungbuk 863-883, Korea

<sup>3</sup>Division of Life Science, Korea Basic Science Institute, Daejeon 305-333, Korea

<sup>4</sup>Graduate School of Analytical Science and Technology, Chungnam National University, Daejeon 305-764, Korea

<sup>5</sup>National Institute of Crop Science, NARO, Tsukuba 305-8517, Japan

<sup>6</sup>Department of Biomolecular Engineering, Graduate School of Engineering, Tohoku University, Sendai 980-8579, Japan

<sup>7</sup>Department of Crop Science, Chungbuk National University, Cheong-ju 361-763, Korea

**Correspondence to:** Sun-Hee Woo

**Address:** Department of Crop Science, Chungbuk National University

410 Seongbong-ro, Heungdeok-gu, Cheongju, Chungbuk 361-763, Korea

Tel: +82-43-261-2515

Fax: +82-43-273-2242

**E-mail:** shwoo@chungbuk.ac.kr

**Abbreviations:** **cTP** chloroplast transit peptide, **FT** fourier transform, **ICR** ion cyclotron resonance, **LTQ** linear quadruple trap, **PIR** protein information resources, **SP** signal peptide, **TMD** transmembrane domain, **MALDI** matrix-assisted laser desorption/ionization, **TOF** time of flight

**Keywords:** Wheat chloroplast; Thylakoid; LTQ-FTICR-MS; MALDI-TOF/TOF-MS; Salt stress; ROS; Water stress

Download English Version:

<https://daneshyari.com/en/article/7637162>

Download Persian Version:

<https://daneshyari.com/article/7637162>

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