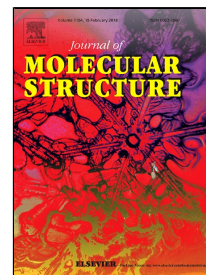


# Accepted Manuscript

Isolation and Initial Structural Characterization of a 27 kDa Protein from *Zingiber officinale*

Saima Rasheed, Malik Shoaib Ahmad, Sven Falke, Arslan Ali, Ramin Fazel, Hartmut Schlüter, Christian Betzel, M. Iqbal Choudhary



PII: S0022-2860(17)31604-6  
DOI: 10.1016/j.molstruc.2017.11.116  
Reference: MOLSTR 24603  
To appear in: *Journal of Molecular Structure*  
Received Date: 14 September 2017  
Revised Date: 27 November 2017  
Accepted Date: 27 November 2017

Please cite this article as: Saima Rasheed, Malik Shoaib Ahmad, Sven Falke, Arslan Ali, Ramin Fazel, Hartmut Schlüter, Christian Betzel, M. Iqbal Choudhary, Isolation and Initial Structural Characterization of a 27 kDa Protein from *Zingiber officinale*, *Journal of Molecular Structure* (2017), doi: 10.1016/j.molstruc.2017.11.116

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.

## Highlights

- A new protein of 27 kDa was isolated from ginger rhizomes (*Zingiber officinale* Roscoe).
- DLS analysis of the protein solution showed monodispersity, and monomeric state.
- CD spectroscopy revealed a  $\beta$ -sheet-rich protein and disordered regions.
- MALDI-TOF-MS, and LC-MS/MS analyses resulted in the identification of a 27.29 kDa protein.
- *Ab-initio* model was calculated based on the SAXS scattering intensity distribution.

Download English Version:

<https://daneshyari.com/en/article/7808525>

Download Persian Version:

<https://daneshyari.com/article/7808525>

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