## **Accepted Manuscript**

Interaction between cysteine synthase and serine *O*-acetyltransferase proteins and their stage specific expression in *Leishmania donovani* 

Kuljit Singh, Krishn Pratap Singh, Asif Equbal, Shashi S. Suman, Amir Zaidi, Gaurav Garq, Krishna Pandey, Pradeep Das, Dr. Vahab Ali

BIOCHIMIE

PII: S0300-9084(16)30171-7

DOI: 10.1016/j.biochi.2016.09.004

Reference: BIOCHI 5052

To appear in: Biochimie

Received Date: 26 April 2016

Revised Date: 5 September 2016 Accepted Date: 5 September 2016

Please cite this article as: K. Singh, K.P. Singh, A. Equbal, S.S. Suman, A. Zaidi, G. Garg, K. Pandey, P. Das, D.V. Ali, Interaction between cysteine synthase and serine *O*-acetyltransferase proteins and their stage specific expression in *Leishmania donovani*, *Biochimie* (2016), doi: 10.1016/j.biochi.2016.09.004.

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

1	Interaction between cysteine synthase and serine O-acetyltransferase proteins and their
2	stage specific expression in Leishmania donovani
3	
4	Kuljit Singh <sup>1,4</sup> , Krishn Pratap Singh <sup>1</sup> , Asif Equbal <sup>1</sup> , Shashi S. Suman <sup>1</sup> , Amir Zaidi <sup>1</sup> ,
5	Gaurav Garg <sup>1,4</sup> , Krishna Pandey <sup>2</sup> , Pradeep Das <sup>3</sup> and Vahab Ali <sup>1,4*</sup>
6	
7	<sup>1</sup> Laboratory of Molecular Biochemistry and Cell Biology, Department of Biochemistry,
8	<sup>2</sup> Department of Clinical Medicine, <sup>3</sup> Department of Molecular Biology, Rajendra Memorial
9	Research Institute of Medical Sciences, Agamkuan, Patna, India-800007 <sup>4</sup> Department of
LO	Biotechnology, National Institute of Pharmaceutical Education and Research, EPIP Complex,
l1	Hajipur, 844102
L2	
L3	Running title: Characterization of cysteine synthase and serine O-acetyltransferase homolog of
L4	L. donovani
<b>L</b> 5	
<b>L</b> 6	*To whom correspondence should be addressed: Dr. Vahab Ali, Department of Biochemistry,
L7	Rajendra Memorial Research Institute of Medical Sciences, Agamkuan, Patna, India-800007.
L8	Tel: +91-9304836301 (M); +91-612-2631565 (O); Fax number: +91-612-2634379; E-mail:
L9	vahab_ali@yahoo.com
20	
21	Keywords: cysteine synthase, serine O-acetyltransferase, Leishmania, enzyme kinetics,
22	Trypanothione, Thiol metabolism
23	
24	

## Download English Version:

## https://daneshyari.com/en/article/5508990

Download Persian Version:

https://daneshyari.com/article/5508990

<u>Daneshyari.com</u>