



SDI Review Form 1.6

PART 1:

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	MS: 2012_IJBcRR_3023
Title of the Manuscript:	Preliminary Studies on the Expression and Purification of Functionally Active Recombinant Plasmepsin 9 from Plasmodium falciparum

General guideline for Peer Review process is available in this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

- This form has total 9 parts. Kindly note that you should use all the parts of this review form.



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PART 2: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<u>Compulsory</u> REVISION comments	The major concern is that the evidence that the activity obtained is due to plasmepsin 9 is not at all convincing. The expression of the protein is not convincing (Figure 1a). As a minimum, a Western blot using the T7 tag should be performed. The purity of the recombinant protein is insufficient to conclude that the reported low protease activity originates from plasmepsin 9 (Figure 1b, 1c). The gels of the refolded protein are not stained sufficiently and do not show lower molecular weight proteins (Figure 3c, 3f). There is no data on inhibition by pepstatin or lack of activity with an active site mutant.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

Note: Anonymous Reviewer