



SDI Review Form 1.6

Journal Name:	International Journal of TROPICAL DISEASE & Health
Manuscript Number:	2013_IJTDH_5808
Title of the Manuscript:	Rv2485c, a putative lipase of M. tuberculosis: expression, purification and biochemical characterization
Type of the Article	Research Paper

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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



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PART 1: 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)
Compulsory REVISION comments	1. The English is poor. The authors have to have their manuscript edited by a native English speakers or an English-editing company. 2. Some descriptions of the results and experiments are ambiguous, and need to be modified or corrected. The authors should double check their manuscript throughout. 3. L199-200, L407, and else: The data under the single condition (5mM H₂O₂, pH 4.5, 1 x phosphate buffer saline) are not enough to make a conclusion for overall acidic, oxidative, nutrient stress conditions.	
Minor REVISION comments	1. In the Abstract and Results sections: the expression assays of the Rv2485c gene in M. tuberculosis cultures should be placed before the studies of cloning and expression of the gene in E. coli, thus providing the in vivo meaning of the gene. 2. In the Abstract: what is your conclusion? 3. L88: Please list the GenBank number of Rv2485c. 4. L229: No data present for ML1243. 5. Please use consistent phrases or words for	



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	kDa/daltons, pNP palmitate/pNP-palmitate, etc. throughout text. 6. L296: PMSF and DEPC inhibited the enzyme activity to nearly 60% and 80%, instead of 50% and 60%. (figure 4). 7. L326: Which kinds of amino acid changed from the Ser-249, Asp-344 and His-377 for site-directed mutagenesis of LipQ? 8. L340: Please make it clear for the no expression of Rv2485c: the expression in the control was used as a reference or it couldn't be expressed in the control. 9. L392: The optimum temperature of lipQ was at 40°C, but PMSF and DEPC were pre-incubated at 50°C. please explain it.	
<u>Optional/General</u> comments	The studies in this paper described for the cloning, expression, purification and biochemical characterization of Rv2485c are simple and routine. The RT-PCR results of the Rv2485c gene in <i>M. tuberculosis</i> H37Ra under different stress conditions make some sense.	

Note: Anonymous Reviewer