## Accepted Manuscript

Title: The structure of the D3 domain of *Plasmodium* falciparum myosin tail interacting protein MTIP in complex with a nanobody

Author: Susmita Khamrui Stewart Turley Els Pardon Jan Steyaert Erkang Fan Christophe L.M.J. Verlinde Lawrence W. Bergman Wim G.J. Hol

PII: S0166-6851(13)00088-1

DOI: http://dx.doi.org/doi:10.1016/j.molbiopara.2013.06.003

Reference: MOLBIO 10765

To appear in: Molecular & Biochemical Parasitology

Received date: 11-2-2013 Revised date: 18-6-2013 Accepted date: 24-6-2013

Please cite this article as: Khamrui S, Turley S, Pardon E, Steyaert J, Fan E, Verlinde CLMJ, Bergman LW, Hol WGJ, The structure of the D3 domain of *Plasmodium falciparum* myosin tail interacting protein MTIP in complex with a nanobody, *Molecular & Biochemical Parasitology* (2013), http://dx.doi.org/10.1016/j.molbiopara.2013.06.003

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

The structure of the D3 domain of Plasmodium falciparum myosin tail interacting protein MTIP in complex with a nanobody

Susmita Khamrui<sup>1</sup>, Stewart Turley<sup>1</sup>, Els Pardon<sup>2,3</sup>, Jan Steyaert<sup>2,3</sup>, Erkang Fan<sup>1</sup>, Christophe L. M. J. Verlinde<sup>1</sup>, Lawrence W. Bergman<sup>4,#</sup> and Wim G. J. Hol<sup>1,#</sup>

Abbreviations: CDR, complementarity defining region; D1, N-terminal domain 1 of MTIP; D2, domain 2 of MTIP; D3, domain 3 of MTIP; GAP, glideosome-associated protein; MTIP, myosintail interacting protein; PknoMTIP, Plasmodium knowlesi MTIP; PfalMTIP, Plasmodium falciparum MTIP; rmsd, root mean square deviation; TRAP, thrombospondin-related anonymous protein.

<sup>&</sup>lt;sup>1</sup>Department of Biochemistry, Biomolecular Structure Center, School of Medicine, University of Washington, Seattle, WA 98195, USA

<sup>&</sup>lt;sup>2</sup> Structural Biology Brussels, Vrije Universiteit Brussel, B-1050 Brussels, Belgium

<sup>&</sup>lt;sup>3</sup> Department of Structural Biology, VIB, Pleinlaan 2, B-1050 Brussels, Belgium

<sup>&</sup>lt;sup>4</sup> Center for Molecular Parasitology, Department of Microbiology and Immunology, Drexel University College of Medicine, Philadelphia, PA 19129, United States

<sup>#</sup> Corresponding authors Lbergman@drexelmed.edu, wghol@uw.edu

## Download English Version:

## https://daneshyari.com/en/article/5915469

Download Persian Version:

https://daneshyari.com/article/5915469

<u>Daneshyari.com</u>