Accepted Manuscript

Functional characterization of the novel *DES* mutation p.L136P associated with dilated cardiomyopathy reveals a dominant filament assembly defect

Andreas Brodehl, Mareike Dieding, Niklas Biere, Andreas Unger, Bärbel Klauke, Volker Walhorn, Jan Gummert, Uwe Schulz, Wolfgang A. Linke, Brenda Gerull, Matthias Vorgert, Dario Anselmetti, Hendrik Milting

PII: S0022-2828(15)30153-X

DOI: doi: 10.1016/j.yjmcc.2015.12.015

Reference: YJMCC 8282

To appear in: Journal of Molecular and Cellular Cardiology

Received date: 17 May 2015 Revised date: 11 December 2015 Accepted date: 19 December 2015



霐

Journal of Molecular and Cellular

Cardiology

Please cite this article as: Brodehl Andreas, Dieding Mareike, Biere Niklas, Unger Andreas, Klauke Bärbel, Walhorn Volker, Gummert Jan, Schulz Uwe, Linke Wolfgang A., Gerull Brenda, Vorgert Matthias, Anselmetti Dario, Milting Hendrik, Functional characterization of the novel *DES* mutation p.L136P associated with dilated cardiomyopathy reveals a dominant filament assembly defect, *Journal of Molecular and Cellular Cardiology* (2015), doi: 10.1016/j.yjmcc.2015.12.015

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

Functional characterization of the novel *DES* mutation p.L136P associated with dilated cardiomyopathy reveals a dominant filament assembly defect

Running title: Characterization of a novel desmin mutation

Andreas Brodehl^{1,2} (PhD), Mareike Dieding³ (MSc), Niklas Biere³ (MSc), Andreas Unger⁴ (PhD), Bärbel Klauke¹ (PhD), Volker Walhorn³ (PhD), Jan Gummert¹ (MD), Uwe Schulz¹ (MD), Wolfgang A. Linke⁴ (PhD), Brenda Gerull² (MD), Matthias Vorgert⁵ (MD), Dario Anselmetti³ (PhD), Hendrik Milting¹ (PhD)

¹ Erich and Hanna Klessmann Institute for Cardiovascular Research & Development (EHKI), Heart and Diabetes Center NRW, Ruhr University Bochum, D-32545 Bad Oeynhausen, Germany.

² Libin Cardiovascular Institute of Alberta, Department of Cardiac Sciences, University of Calgary, 3280 Hospital Drive NW, T2N4Z6 Calgary, AB, Canada.

³ Experimental Biophysics and Applied Nanoscience, Faculty of Physics and Bielefeld Institute for Biophysics and Nanoscience (BINAS), Bielefeld University, D-33615 Bielefeld, Germany.

⁴ Department of Cardiovascular Physiology, Ruhr University Bochum, D-44780 Bochum, Germany.

⁵ Neurologische Klinik und Poliklinik, Universitätsklinikum Bergmannsheil, Buerkle-de-la-Camp-Platz 1, D-44789 Bochum, Germany.

Download English Version:

https://daneshyari.com/en/article/8473973

Download Persian Version:

https://daneshyari.com/article/8473973

<u>Daneshyari.com</u>