Accepted Manuscript

Interactome of the inhibitory isoform of the nuclear transporter Importin 13

Shadma Fatima, Kylie M. Wagstaff, Kim G. Lieu, Rebecca G. Davies, Satomi S. Tanaka, Yasuka L. Yamaguchi, Kate L. Loveland, Patrick P.L. Tam, David A. Jans

PII: S0167-4889(16)30342-1

DOI: doi:10.1016/j.bbamcr.2016.12.017

Reference: BBAMCR 18018

To appear in: BBA - Molecular Cell Research



Please cite this article as: Shadma Fatima, Kylie M. Wagstaff, Kim G. Lieu, Rebecca G. Davies, Satomi S. Tanaka, Yasuka L. Yamaguchi, Kate L. Loveland, Patrick P.L. Tam, David A. Jans, Interactome of the inhibitory isoform of the nuclear transporter Importin 13, BBA - Molecular Cell Research (2016), doi:10.1016/j.bbamcr.2016.12.017

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

Interactome of the Inhibitory Isoform of the Nuclear Transporter Importin 13

Shadma Fatima¹, Kylie M. Wagstaff¹, Kim G. Lieu¹, Rebecca G. Davies¹, Satomi S. Tanaka^{2,3}, Yasuka L.Yamaguchi^{2,3}, Kate L. Loveland^{1,4}, Patrick P.L. Tam^{3,5} and David A. Jans^{1*}.

¹Department of Biochemistry & Molecular Biology, Monash University, Clayton, Victoria, Australia

²Institute of Molecular Embryology and Genetics, Kumamoto University, Kumamoto, Japan

³Embryology Unit, Children's Medical Research Institute, Westmead, Australia

⁴Department of Anatomy and Developmental Biology, Monash University, Clayton, Victoria, Australia

⁵Discipline of Medicine, Sydney Medical School, University of Sydney, Sydney, Australia.

Keywords: Imp13, tImp13, testis, spermatogenesis, NRNI, nuclear import

Abbreviations: Imp13, Importin 13; tImp13, testis specific N-terminal truncated isoform of full length Importin 13; NRNI, negative regulator of nuclear import; EIF4G2, Eukaryotic translation initiation factor 4γ 2; HMG20A, High mobility group containing protein 20A; GR, Glucocorticoid receptor; NLS, nuclear localisation signal; ESCs, embryonic stem cells; CLSM, confocal laser scanning microscopy; Fn/c, ratio of specific nuclear to cytoplasmic fluorescence above background.

*Correspondence to: Prof. David A. Jans, Nuclear Signalling Laboratory, Monash University, Clayton, Vic, Australia, 3800; Ph: +613 99029341; email: david.jans@monash.edu

Download English Version:

https://daneshyari.com/en/article/5508758

Download Persian Version:

https://daneshyari.com/article/5508758

<u>Daneshyari.com</u>