Accepted Manuscript

Spred negatively regulates lens growth by modulating epithelial cell proliferation and fiber differentiation

Alyssa Susanto, Guannan Zhao, Fatima Wazin, Yue Feng, John E.J. Rasko, Charles G. Bailey, Frank J. Lovicu

PII: S0014-4835(18)30495-0

DOI: 10.1016/j.exer.2018.09.019

Reference: YEXER 7494

To appear in: Experimental Eye Research

Received Date: 4 July 2018

Revised Date: 28 August 2018

Accepted Date: 28 September 2018

Please cite this article as: Susanto, A., Zhao, G., Wazin, F., Feng, Y., Rasko, J.E.J., Bailey, C.G., Lovicu, F.J., Spred negatively regulates lens growth by modulating epithelial cell proliferation and fiber differentiation, *Experimental Eye Research* (2018), doi: https://doi.org/10.1016/j.exer.2018.09.019.

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

1	Spred negatively regulates lens growth by modulating
2	epithelial cell proliferation and fiber differentiation
3	
4	Alyssa Susanto ^a , Guannan Zhao ^a , Fatima Wazin ^{a,b} , Yue Feng ^c , John E.J. Rasko ^{c,d,e} , Charles
5	G. Bailey ^{c,d} , Frank J. Lovicu ^{a,b,*}
6	
7	
8 9	^a Discipline of Anatomy and Histology, Bosch Institute, The University of Sydney, NSW, Australia
10	^b Save Sight Institute, The University of Sydney, NSW, Australia
11	^c Gene & Stem Cell Therapy Program, Centenary Institute, Camperdown, NSW, Australia
12	^d Sydney Medical School, The University of Sydney, NSW, Australia
13	^e Department of Cell & Molecular Therapies, Royal Prince Alfred Hospital, Camperdown,
14	NSW, Australia
15	
16	
17	
18	Running title:
19	Negative regulation of lens cellular processes and growth by Spred
20	
21	
22	Keywords:
23	Lens epithelial cell proliferation, fiber differentiation, development, FGF, Spred, Sprouty,
24	ERK1/2
25	
26	
27	*Author for correspondence: <u>frank.lovicu@sydney.edu.au</u>
28	
29	
30	
31	
32	

Download English Version:

https://daneshyari.com/en/article/11025409

Download Persian Version:

https://daneshyari.com/article/11025409

Daneshyari.com