Reviewer's report

Title: Small intestinal mucosa expression of putative chaperone fls485

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Reviewer: Dan Hershko

Reviewer's report:

In the present manuscript, the authors describe the expression of fls485 in the small mucosa of normal subjects and patients with celiac disease. This study was followed previous findings by the group that the fls485 gene was 1 among 415 genes expressed in enterocytes. The expression and function of here they show that fls485 protein in human tissues is unknown.

The authors have found, as previously reported, that fls485 is found with increasing gradient from crypt to villi of normal mucosa and that the expression of the protein is impaired in celiac disease Marsh IIIa-c.

Major concerns:

1. the antibodies generated expressed two distinct bands, one of the expected size and another unexpected band. This may lead to false interpretation of the results observed by immunohistochemistry.

2. although the authors claim that an agreement between mRNA exists, they do not provide the results of all experiments and the distribution of the results in normal mucosa. attempts should also be made to reproduce the results of in-situ hybridization.

3. Since the function and meaning of these results are still unclear the importance of the findings are of limited interest.

Level of interest: An article of limited interest

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

'I declare that I have no competing interests'