

PEER-REVIEW REPORT

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Title: Attenuation of MET-mediated migration and invasion in hepatocellular carcinoma cells by SOCS1

Reviewer's code: 03028074

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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

In this study, the authors investigated the role of SOCS1 in the invasion ability of HCC. Based on the previous study, the authors assumed that SOCS1 may regulated the MET signaling pathway to make it. However, there are some questions appearing in the text needed to be answered. 1. There are a great many of HCC cell lines, why the Hepa, Hep3B, HepG2 were choosed for this study? 2. In the figure 1A, only Hepa cells was disposed for the phase contrast microscopy although the authors cited that Hepa1-6 cells could better utilize endogenous HGF, it is necessary to study the circumstance of others HCC cell lines. Moreover, the authors also need to explain the concentration of HGF(25 ng/ml). The figure 1c reveals the number of migrated cell of HepB-V and Hep3B-socs1 in control group was no significance, and the picture of migrated cells showed that the number in Hep3B-V was more than Hep3B-SOCS1, please explain it and provide other picture. 3. figure3 revealed the number of colonies, while in figure 3A the average colony size of colony and picture were provided, there was no similar histogram and



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picture in figure 3B, it is necessary to supply it. 4. In the figure 4, the authors chose the tumors from mice to do the western blot, why not select cells. Furthermore, the number in legend was different, the number of Figure 4A was 4, while in Figure 4B-D the number was 6, why? 5. In figure 5B the cells were stimulated with HGF for 30min or 2h, why not choose other time?