

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 77763

Title: Go-Ichi-Ni-San 2: A potential biomarker and therapeutic target in human cancers

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06272301

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: China

Manuscript submission date: 2022-05-19

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-05-24 08:45

Reviewer performed review: 2022-06-08 02:13

Review time: 14 Days and 17 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

In this review, the authors described “GINS2: a potential biomarker and therapeutic target in human cancers”. This review describes the upregulation of GINS2 expression in most human tumours and the pathway of GINS2 in tumour development. GINS2 may serve as a new biological target in tumour diagnosis and prognosis. I suggest accepting this manuscript after they address the following concerns. 1. In Figure 1, the authors claimed that “(B) The localization for GINS2 Gene”. I wonder if the author misunderstood the mRNA or Protein distribution. 2. In Figure 1C, I think the authors could have further annotated the structure diagram, for example, circled the key structure domain, for the general author to understand. 3. As for the data in Table1, I suggest the authors combine online databases, such as GEPIA, for better analysis and summary. 4. Title of Figure 3, “The molecular pathways through which GINS2 functions in tumours”. In my opinion, it is best described and emphasized here as the “participating pathways of GINS2” rather than the “function”, because its inhibition by miRNA is not the function of GINS2 itself. In addition, I suggest that the authors briefly explain the expression level of the molecules interacting with GINS2 in the text while their anti-cancer or pro-cancer functions. 5. Since the diagnosis is mentioned in the review, the author could elaborate on the combination of diagnostic techniques, such as blood test and tissue biopsy. In addition, GINS2 is an exoprotein? Since the authors have implicitly explained the expression of GINS2 in exosomes in Figure 1, shall we find the literature support and add this content in the paper? 6. Since the topic of this review involved therapeutic targets, I think it is necessary to sort out whether there are small molecule inhibitors targeting GINS2, and if so, whether to summarize the efficacy data of this part? In addition, whether to envisage the GINS2 protein molecule as a target for

intervention methods, and what is the predictive potential of this molecule as a target in terms of structural biology? 7. Please pay attention to the formatting and grammar of the article according to the editing requirements.

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Peer-review model: Single blind

Reviewer's code: 06148431

Position: Peer Reviewer

Academic degree: DDS, MD, MHSc, MSc, PhD

Professional title: Associate Professor, Postdoc, Surgeon

Reviewer's Country/Territory: Spain

Author's Country/Territory: China

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Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

It would be important to detail what type of study it is. It is defined as a review but there are no details of how the review has been carried out. To give the article scientific quality, it is important to define whether it is a systematic review, a literature review study or a non-systematic review study of articles. It is also necessary to define what bibliographic search methods have been used (key words, search engines, etc.) and the inclusion and exclusion criteria.

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Reviewer's code: 06169692

Position: Peer Reviewer

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Professional title: Assistant Professor

Reviewer's Country/Territory: Iran

Author's Country/Territory: China

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Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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Conflicts-of-Interest: [☐] Yes [☒] No

SPECIFIC COMMENTS TO AUTHORS

hi thank you for inviting me it is ok. only there are some tiny grammatical issues that should be corrected.