

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Biological Chemistry

**Manuscript NO:** 44651

**Title:** Fasciculation and elongation zeta proteins 1 and 2: From structural flexibility to functional diversity

**Reviewer's code:** 03865268

**Reviewer's country:** Egypt

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2018-11-29

**Date reviewed:** 2018-12-07

**Review time:** 2 Hours, 8 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

- The manuscript should have prepared according to author guidelines. The authors should be said "Authors in year" e.g. Bloom & Horvitz in 1997. Otherwise, remove year.



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## INITIAL REVIEW OF THE MANUSCRIPT

### *Google Search:*

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ [Y] No

### *BPG Search:*

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ [Y] No

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Biological Chemistry

**Manuscript NO:** 44651

**Title:** Fasciculation and elongation zeta proteins 1 and 2: From structural flexibility to functional diversity

**Reviewer's code:** 00183460

**Reviewer's country:** Poland

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2018-11-29

**Date reviewed:** 2018-12-17

**Review time:** 10 Hours, 18 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

The authors of the manuscript presented for review entitled "Fasciculation and elongation zeta proteins 1 and 2: From structural flexibility to functional diversity" took up the subject of the structure and function of FEZ-1 and FEZ-2 proteins. The part of the

article regarding the molecular structure and expression profile of the discussed proteins is it is written clearly and in interesting way, but in my opinion would much benefit from more schematics. In the following chapters of the article the authors clearly focused on the participation of FEZ proteins and their analogues in neurodegeneration and viral infection, especially HIV-1. And again, in my opinion, some of the described mechanisms could be presented in a graphic form. In addition, the disproportion between part concerning neurodegeneration and HIV-1 infection it is striking. The authors did not take into account the potential role of the discussed proteins in the process of tumorigenesis, especially in the nervous system. In my opinion, it is rather a mini-review, which can be successfully expanded including role of FEZ and its analogues in cancerogenesis.

## **INITIAL REVIEW OF THE MANUSCRIPT**

### ***Google Search:***

- ☐ The same title
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- ☐ Plagiarism
- ☐ [Y] No

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- ☐ Plagiarism
- ☐ [Y] No