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| Journal Name: | [**Archives of Current Research International**](https://journalacri.com/index.php/ACRI) |
| Manuscript Number: | **Ms\_ACRI\_141675** |
| Title of the Manuscript:  | **An Insight into the Structure-Function Relationship of Class II α-mannosidases** |
| Type of the Article |  |

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This is particularly important in glycosylation, a post-translational modification critical to protein stability and cellular signaling, as well as in the breakdown of glycans.  |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Yeah** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. |  abstract addresses an important topic linking enzyme structure to function. It introduces Class II α-mannosidases and their role in glycosylation-related disorders effectively. The link to lysosomal storage diseases like α-mannosidosis is well stated. However, the writing lacks clarity in places due to grammatical issues and awkward phrasing. The sentence structure could be improved for better flow and readability. |  |
| Is the manuscript scientifically, correct? Please write here. | mentions a lack of structural data but does not clearly state the specific objectives or findings of the review. Including a clearer research aim and summarizing key insights would strengthen the paper |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Can use more updated references  |  |
| Is the language/English quality of the article suitable for scholarly communications? |  |  |
| Optional/General comments | Overall, the topic is relevant, but the abstract needs refinement for precision and coherence. |  |

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| **PART 2:**  |
|  | **Reviewer’s comment** | **Author’s comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Are there ethical issues in this manuscript?**  | *(If yes, Kindly please write down the ethical issues here in details)* |  |

**Reviewer details:**

Lina Eltaib, NBU, KSA