Dear Editor,

Please find enclosed a modified version of my Microreview manuscript "**A magnetic protein biocompass**". To address the concerns and comments raised by the 4 reviewers, I made the following changes to improve and clarify the manuscript. It is my hope that these changes make the manuscript acceptable for publication in Microreviews in Cell and Molecular Biology.

Sincerely,

[Junli Ma]

Reviewer A:

1. Briefly state if you found the comments of Reviewer A helpful or not.

While I did not agree with all comments made by Reviewer A, The meaning of the FAD unexplained raised by this reviewer were very helpful to me .But the meaning of MagR is stated in the introduction of the article.And it's not very helpful by just telling me to state the importance of the article more clearly.

2. What changes did you make to your manuscript as a result of the comments of Reviewer A?

I have changed the word FAD to formation of dimers.

Reviewer B:

1. Briefly state if you found the comments of Reviewer B helpful or not.

The comments are very helpful by pointing out that I didn't give enough proof to explain the magnetic experiments and intrinsic moment of the protein complex.

2. What changes did you make to your manuscript as a result of the comments of Reviewer B?

I add the details of the experiments to prove the intrinsic moment of the complex.The observation of the intrinsic moment in the protein complex is the main progress in this work.

Reviewer C:

1. Briefly state if you found the comments of Reviewer C helpful or not.

Some comments of reviews C are the same with Review B's.The original form of my review lack some evidence to explain the intrinsic moment of the protein.And the importance of the work is the observation of the intrinsic moment for the first time,so I don't agree with the point that I didn't show great importance of the work.

2. What changes did you make to your manuscript as a result of the comments of Reviewer C?

I add some experiment results to show the existence of the intrinsic moment of the protein complex.

Reviewer D:

1.Briefly state if you found the comments of Reviewer B helpful or not.

The comments is helpful for me.It points that my review is not satisfied wit the request of a review.

2. What changes did you make to your manuscript as a result of the comments of Reviewer D?

As I have already mentioned before,I add some details of the experiments.Now my review is satisfied with the request.