**Editorial comments:**  
  
1. Please remove commercial language: Superdex in Figure 1, etc. Done.

2. Please ensure that the L in the microliter abbreviation is capitalized: Figure 1, protocol, etc. Done.

3. Please include a scale bar for the crystals in Figure 2. Done.   
  
4. There continues to be scattered typos throughout the manuscript. Please copy-edit the manuscript. There are subject-verb agreement issues as well as missing articles (a, an, the, etc.). Please ensure that American English is used. Checked carefully as best as we could.

5. For in-text formatting, corresponding reference numbers should appear as numbered superscripts after the appropriate statement(s). Please number the references in order of appearance in the manuscript text. Done.

6. Please include a sub-heading for step 1.1. Done

7. Some additional details are required:  
1.1.1: Insect cell medium: Is this the same as Grace's insect cell medium? Done  
1.1.4: Please specify all volumes and concentrations used throughout. Done   
1.1.9: Please use x g instead of rpm for centrifugation speeds. Done   
1.3.1: Please specify the medium used here and throughout. Done   
1.4.7: Please specify the antibody dilution used here and throughout. Done   
8.1: Citation? No appropriate citation available or needed  
9.1: Citation? Done.   
10: Please provide citations throughout for all of the individual protocol steps. Done.  
  
8. Please ensure that all materials and equipment used in the protocol are in the Materials Table. Added Synchrotron source.   
  
9. Please revise the highlighting of the protocol to be 2.75 pages or less. Much of the computational protocol cannot be filmed unless more explicit details are included. For example, the merging of the data sets would be problematic to film. We would need explicit user input commands for all of the computational steps (File | Save | etc.). Similarly, protocol step 10 cannot be filmed unless more extensive details are added.

It would be best to film more of the protein isolation and crystallization.  
Please contact Dr. Tapan Biswas or Prof. Gourisankar Ghosh regarding the filmable content. It is difficult to explain by highlighting what is important and appropriate for the research. In brief, the following points should be highlighted:

-Expression in insect cells using baculovirus expression construct

-One of the purification process step is the addition of ATP after first step of purification for autophosphorylation

-Selection of the Calbiochem IKK-inhibitor XII inhibitor

-Careful cryo-preservation procedure

-Data collection on single crystals and the need for merging the data sets

-Use of appropriate search models that was built using cryo-EM map and high resolution IKK1 model, and tweaking interdomain orientation

10. Please revise the protocol to be entirely in the imperative tense. For example, steps 9.1.1, 9.2, 9.3 should be moved to the Representative Results. Done.

11. Please provide a title for Figures 2 and 3. Done.   
  
12. Figure 4 legend: What are these four models? How are they different? It is already explained in the legend, a clearer explanation could be included in the filmable content.   
  
13. Please ensure that the references appear as the following: [Lastname, F.I., LastName, F.I., LastName, F.I. Article Title. Source. Volume (Issue), FirstPage – LastPage, doi: DOI (YEAR).] For more than 6 authors, list only the first author then et al.

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