

Purification Paper Worksheet

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Each of the papers that you are reading focus on expressing, purifying and analyzing a protein or complex. These are a few guiding questions to help you prepare presentations on the expression and purification strategies utilized in your paper.

1. What biological compound is being studied in this paper?
2. What techniques did the authors use to express and purify the compound?
3. Why did the authors choose to use these techniques? In other words, what makes this purification strategy preferable?
4. What are some downsides of this approach? What are the limitations of the techniques being used?
5. What would be a good alternative workflow?
6. As a thought experiment, design an experiment using some or all of the techniques the authors used to express and purify a protein that you are interested in.