

Your "Protein Profile"...

...should include:

- an express summary
- the name of the protein (including EC classification for enzymes)
- the molecular job it performs
- the biological role it fills
- its architecture: links/citations to, and summary of, the sequence and three-dimensional structure
- how to find it: methods for purification of this protein, and key physical characteristics -- MM, pI, etc. You should be sure to indicate *how it is detected* during purification.
- mechanism of action (binding/catalysis/etc) -- in as much detail as possible. You should indicate *how activity is measured in vitro*.
- summary of results of any structure/function studies, with links/citations to web sites and journal articles
- summary of what's known about regulatory protein-protein interactions, with links/citations to web sites and journal articles
- summary of what's known about small-molecule inhibitors/enhancers, with links/citations to web sites and journal articles
- a summary model/cartoon of the protein's function and interactions
- ideally, more than seven citations, including structure links, sequence links, URLs, journal citations

...will probably be about 8 pages in length (single-spaced) if you cover all of the above items.

...is due, in draft form, the week before Thanksgiving break (Nov. 13-17). I will give you detailed feedback on your draft, so that you can revise it for the final version.

...is due, in final form, at the time of the final exam (Dec. 11)