

Protein Project Grading Rubric

Name: _____ Section: _____

This project was meant to introduce the basics of protein structure while analyzing the structure and function of an actual protein. You were asked to follow the guidelines listed below.

- You were instructed to go to www.pdb.org, read through the Molecules of the Month and then choose an enzyme. You were asked to make three separate images of the protein using the programs suggested below. Using one of Dr. Goodsell's images was acceptable for one of your images.
- You were asked to construct a well-structured paragraph, write a summary (**in your own words**) of the protein's function.
- What are the implications, if any, if a mutant form of the protein is present? What is the story of your protein? Make some notes on the structural motifs (arrangements) that you see. Are there helices? Sheets? Disulfide bridges? Can you find the active site?
- Use the crop command to just show the protein and eliminate the other parts of the screen.
- Use your diagrams to illustrate the text of your paragraph on your enzyme's function.
- Your PROTEIN PAGE should be turned in with one (1) large central image of your protein and two (2) supporting images. You should have at least one paragraph that describes the structure and function of your protein. The project should be typed with labels/captions for each image. Please have a title of the protein centered at the top of the page. The entire project **should not exceed two pages**. Please put your name on each page and the honor pledge on your project as well.
- Overall layout Neatness Clarity Quality

Total Points: 25

Paragraph (10 points) _____

Images (10 points) _____

Layout (5 points) _____