Course Progress Dates Syllabus Discussion

☆ Course / Unit 2: Structural Biochemistry / 2.0: Learning PyMOL

| 1/1 point (ungraded) | |
|---|---|
| You will need to search around the hemoglobin P | PDB entry to find |
| answers to these questions! Don't be discourage | |
| PDB An Information Portal to 196799 Biological Search by PDB ID, author, macromolecule, sequence, or ligands | |
| In your web browser, go to www.rcsb.org/pdb Search for "2dn2". | Cath Carlo |
| Because you entered an ID code, you should be directed straight to its pag What year was this structure published? | ge. |
| 2006 Answer: 2006 | |
| 2006 | |
| This crystal structure was published in the Journal of Molecular Biology in | (13 C 1 C |
| This is listed in the in the "Primary Citation" field for the PDB entry. The pu "Deposition" or "Release" dates. Detailed publication information can be fo | |
| Submit You have used 1 of 2 attempts | Save Show answer |
| Answers are displayed within the problem | |
| Learning PyMOL video 2: Q2 | |
| 2/2 points (ungraded) | |
| Each chain of a PDB entry has a unique identifier. What are the TWO chain names for the two alpha subunits of 2dn2? | |
| ✓ A | |
| В | |
| ✓ c | |
| □ D □ E | |
| ✓ | |
| What are the TWO chain names for the two beta subunits of 2dn2? | |
| _ A | |
| ✓ B □ C | |
| ✓ D | |
| E | |
| V | John and hate subjust aboun |
| Under the "molecular description" header, you can find the names of the a | apria and beta subdiffic chairs. |
| Submit You have used 1 of 2 attempts | Save Show answer |
| Answers are displayed within the problem | |
| Learning PyMOL video 2: Q3 | |
| 1/1 point (ungraded) At what pH was the crystallization of 2dn2 performed? | |
| Enter the pH reported for crystallization: | |
| ◆ Answer: 6.5 | |
| 6.5 The pH of crystallization is available under the "Methods" tab of the PDB e | entry (see tabs along the top of the |
| PDB entry), in the "Crystallization" pane. | sittly (see tabs along the top of the |
| Submit You have used 1 of 2 attempts | Save Show answer |
| Answers are displayed within the problem | |
| Learning PyMOL video 2: Q4 | |
| | |
| 1/1 point (ungraded) | |
| Like the amino acids than make up a protein, solvent molecules, cofactors | , and ligands in a PDB entry have a |
| Like the amino acids than make up a protein, solvent molecules, cofactors three-letter residue name. What is the three-letter residue name given to the heme prosthetic group | |
| Like the amino acids than make up a protein, solvent molecules, cofactors three-letter residue name. What is the three-letter residue name given to the heme prosthetic group HEM Answer: HEM | for 2dn2? |
| Like the amino acids than make up a protein, solvent molecules, cofactors three-letter residue name. What is the three-letter residue name given to the heme prosthetic group HEM Answer: HEM The three letter code for heme is HEM. This can be found in the "Ligand C | for 2dn2? themical Component" pane of the |
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| Like the amino acids than make up a protein, solvent molecules, cofactors three-letter residue name. What is the three-letter residue name given to the heme prosthetic group HEM Answer: HEM The three letter code for heme is HEM. This can be found in the "Ligand Centry's "Summary" tab along with other information about non-canonical residue. | for 2dn2? Chemical Component" pane of the residues in the PDB entry. |
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