

The logo of KU Leuven, featuring the text "KU LEUVEN" in white, bold, sans-serif capital letters on a dark blue rectangular background. A light blue vertical bar is on the left side of the rectangle.

KU LEUVEN

BIO-MOLECULAR MODEL BUILDING

Exam Exercise

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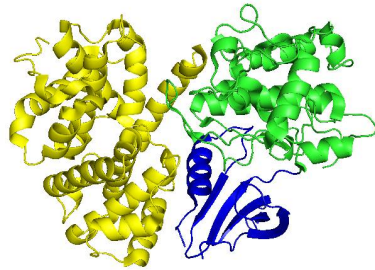
May 12, 2015

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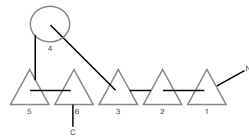
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1 Question 1 - Kinases

1.1 Part a



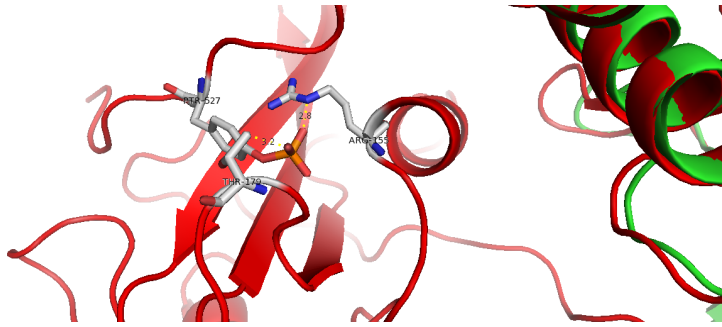
1.2 Part b



2 Question 2 - Kinase active/inactive forms



The role of regulatory domains in the kinases are to induce conformational changes that switch the kinase from one form (inactive or active) to the other [1].



References

- [1] Huse M. and Kuriyan J. The conformational plasticity of protein kinases. *Cell*, 2002.