

University of Nebraska - Lincoln  
**DigitalCommons@University of Nebraska - Lincoln**

---

3-D printed model structural files

Biochemistry, Department of

---

9-2018

# Human Hexokinase I - Allosteric regulation: Model file name: 1DGK-editB22-allostery\_sc06.stl


Michelle Howell

*University of Nebraska - Lincoln*, [michelle.palmer@unl.edu](mailto:michelle.palmer@unl.edu)

Rebecca Roston

*University of Nebraska- Lincoln*, [rroston@unl.edu](mailto:rroston@unl.edu)

Follow this and additional works at: <http://digitalcommons.unl.edu/structuralmodels>

 Part of the [Graphics and Human Computer Interfaces Commons](#), and the [Structural Biology Commons](#)

---

Howell, Michelle and Roston, Rebecca, "Human Hexokinase I - Allosteric regulation: Model file name: 1DGK-editB22-allostery\_sc06.stl" (2018). *3-D printed model structural files*. 27.

<http://digitalcommons.unl.edu/structuralmodels/27>

This Article is brought to you for free and open access by the Biochemistry, Department of at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in 3-D printed model structural files by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.

## Human Hexokinase I - Allosteric regulation:

Model file name: 1DGK-editB22-allostery\_sc06.stl

Authors: Michelle E Howell, Rebecca L Roston

This is a teaching model of human Hexokinase I in a surface representation with small molecules ADP and G6P included (PDB: [1DGK](#)). It is designed to be hollow with a lever to mimic allosteric regulation. The printable model is already uploaded to [Shapeways.com](#) in the [MacroMolecules](#) shop under the name "[Human Hexokinase I - Allosteric regulation model](#)". This model has been printed successfully using these parameters on Shapeways' laser sintering printer in the following material: Processed Versatile Plastic (Strong & Flexible Plastic).

