Hexokinase

A picture of hexokinase 1 from the yeast Kluyveromyces lactis[1].

A **hexokinase** is an enzyme that phosphorylates (adds phosphyryl groups) hexoses (six-carbon sugars). It takes in a substrate (usually glucose in most organisms) and adds a phosphate (usually from ATP) to form hexose phosphate as the product. When the substrate is glucose, the product is glucose-6-phosphate.

References

[change | change source]

1. ↑ PDB: 3O08; Kuettner EB, Kettner K, Keim A, Svergun DI, Volke D (2010). "Crystal structure of dimeric KlHxk1 in crystal form I". doi:10.2210/pdb3o08/pdb. {{cite journal}}: Cite journal requires |journal= (help)

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