

Title (en)
IN VITRO PROTEIN SYNTHESIS USING GLYCOLYTIC INTERMEDIATES AS AN ENERGY SOURCE

Title (de)
IN-VITROPROTEINSYNTHESE UNTER VERWENDUNG VON GLYKOLYTISCHEN ZWISCHENPRODUKTEN ALS ENERGIEQUELLE

Title (fr)
SYNTHESE IN VITRO DE PROTEINES UTILISANT DES INTERMEDIAIRES GLYCOLYTIQUES COMME SOURCE D'ENERGIE

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Application
EP 00980413 A 20001114

Priority
US 0031449 W 20001114

Abstract (en)
[origin: WO0240497A1] Compositions and methods are provided for the enhanced in vitro synthesis of biological molecules where ATP is required for synthesis. Of particular interest is the synthesis of polymers, e.g. nucleic acids, polypeptides, and complex carbohydrates. Glycolytic intermediates or glucose are used as an energy source, in combination with added NADH or NAD<+>.

IPC 1-7
C07H 19/04; **C07H 19/20**; **C12Q 1/34**; **C12Q 1/42**; **C12Q 1/48**; **C12Q 1/52**; **C12Q 1/54**

IPC 8 full level
C07K 1/02 (2006.01); **C12P 21/00** (2006.01)

CPC (source: EP)
C07K 1/02 (2013.01)

Citation (search report)

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- [T] KIM D-M ET AL: "Regeneration of adenosine triphosphate from glycolytic intermediates for cell-free protein synthesis", BIOTECHNOLOGY AND BIOENGINEERING. INCLUDING: SYMPOSIUM BIOTECHNOLOGY IN ENERGY PRODUCTION AND CONSERVATION, JOHN WILEY & SONS. NEW YORK, US, vol. 74, no. 4, 20 August 2001 (2001-08-20), pages 309 - 316, XP002227479, ISSN: 0006-3592
- See references of WO 0240497A1

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