

Title (en)
CELL FREE SYSTEM FOR PROTEIN SYNTHESIS AND USE OF CHAPERONE PROTEINS THEREIN

Title (de)
ZELLFREIES SYSTEM FÜR DIE PROTEINSYNTHESE UND DIE VERWENDUNG VON CHAPERONPROTEINEN DABEI

Title (fr)
SYSTEME ACELLULAIRE S'APPLIQUANT A LA SYNTHÈSE PROTÉIQUE ET UTILISATION DE PROTÉINES CHAPERONS

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Abstract (en)
[origin: WO9424303A1] The present invention provides a novel high efficiency method for the cell free engineering and synthesis of protein. A novel method of the present invention comprises the steps of: preparing a cell free extract; separating out a ribosome fraction from said extract; incubating said ribosome fraction in the presence of a transcription/translation medium; and measuring the amount of protein synthesized. The method of the present invention may be used as a coupled transcription/translation system, a translation only system or a cell-free continuous flow system. Also provided are methods for synthesis of proteins and their correct folding using chaperone proteins.

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Citation (search report)
• [XY] EP 0401369 A1 19901212 - INST BELKA AKAD NAUK SSSR [SU]
• [XY] KIGAWA T ET AL: "A CONTINUOUS CELL-FREE PROTEIN SYNTHESIS SYSTEM FOR COUPLED TRANSCRIPTION-TRANSLATION", JOURNAL OF BIOCHEMISTRY, vol. 110, 1991, pages 166 - 168, XP002044224
• [Y] GETHING M.J. & SAMBROOK J.: "Protein folding in the cell", NATURE, vol. 355, - 2 January 1992 (1992-01-02), pages 33 - 45, XP002060491
• See references of WO 9424303A1

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