

Title (en)

ALTERATION AND MODULATION OF PROTEIN ACTIVITY BY VARYING POST-TRANSLATIONAL MODIFICATION

Title (de)

ÄNDERUNG UND MODULATION EINER PROTEINAKTIVITÄT DURCH VERSCHIEDENE MODIFIKATIONEN NACH DER TRANSLATION

Title (fr)

ALTÉRATION ET MODULATION DE L'ACTIVITÉ PROTÉIQUE EN FAISANT VARIER LA MODIFICATION POST-TRADUCTIONNELLE

Publication

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Application

EP 10746882 A 20100226

Priority

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- US 38045009 A 20090226
- US 2009035307 W 20090226

Abstract (en)

[origin: WO2010099394A1] Embodiments of the invention include methods of altering the enzymatic activity or solubility of an extremophilic enzyme or post-translationally modifying a protein of interest via using isolated or partially purified glycosyltransferases and/or post-translational modification proteins, extracts of cells comprising glycosyltransferases and/or post-translational modification proteins, and/or in cells comprising one or more glycosyltransferases and/or post-translational modification proteins.

IPC 8 full level

C07K 14/195 (2006.01); **C12P 21/02** (2006.01)

CPC (source: EP)

C07K 14/195 (2013.01); **C12N 9/1048** (2013.01); **C12N 9/2437** (2013.01); **C12N 9/248** (2013.01); **C12P 21/005** (2013.01)

Citation (search report)

- [X] US 2007099282 A1 20070503 - THOMPSON VICKI S [US], et al
- [X] ECKERT K ET AL: "A thermoacidophilic endoglucanase (CelB) from Alicyclobacillus acidocaldarius displays high sequence similarity to arabinofuranosidases belonging to family 51 of glycoside hydrolases", EUROPEAN JOURNAL OF BIOCHEMISTRY, BLACKWELL PUBLISHING, BERLIN, DE, vol. 270, no. 17, 1 September 2003 (2003-09-01), pages 3593 - 3602, XP002297030, ISSN: 0014-2956, DOI: 10.1046/J.1432-1033.2003.03744.X
- [AD] BIRGIT SCHWERMANN ET AL: "Purification, Properties and Structural Aspects of a Thermoacidophilic alpha-Amylase from Alicyclobacillus Acidocaldarius Atcc 27009. Insight into Acidostability of Proteins", EUROPEAN JOURNAL OF BIOCHEMISTRY, vol. 226, no. 3, 1 December 1994 (1994-12-01), pages 981 - 991, XP055007469, ISSN: 0014-2956, DOI: 10.1111/j.1432-1033.1994.00981.x
- See references of WO 2010099394A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

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