

# Carboxyl And Carbamoyl Transferases

[View the current Carboxyl And Carbamoyl Transferases InDepth page on BioPortfolio.com](http://www.bioportfolio.com/indepth/Carboxyl_And_Carbamoyl_Transferases.html)  
([http://www.bioportfolio.com/indepth/Carboxyl\\_And\\_Carbamoyl\\_Transferases.html](http://www.bioportfolio.com/indepth/Carboxyl_And_Carbamoyl_Transferases.html))

## Recent Publications on Carboxyl And Carbamoyl Transferases:



- [Structure of \[NiFe\] hydrogenase maturation protein HypE from Escherichia coli and its interaction with HypF.](#)  
*Hydrogenases are enzymes involved in hydrogen metabolism, utilizing H<sub>2</sub> as...*3rd July, 2008  
Department of Biochemistry, McGill University, Montreal, Quebec, Canada.- J Bacteriol. 2008 Feb;190(4):1447-58. Epub 2007 Dec 7. ([DOI Direct Link](#))
- [Conformational properties of the aggregation precursor state of HypF-N.](#)  
*The conversion of specific proteins or protein fragments into insoluble,...*24th June, 2008  
Dipartimento di Scienze Biochimiche, Universita di Firenze, Viale Morgagni- J Mol Biol. 2008 Jun 6;379(3):554-67. Epub 2008 Apr 8. ([DOI Direct Link](#))
- [Crystal structures of human and Staphylococcus aureus pyruvate carboxylase and molecular insights into the carboxyltransfer reaction.](#)  
*Pyruvate carboxylase (PC) catalyzes the biotin-dependent production of...*26th March, 2008  
Department of Biological Sciences, 212 Amsterdam Avenue, Columbia- Nat Struct Mol Biol. 2008 Mar;15(3):295-302. Epub 2008 Feb 24. ([DOI Direct Link](#))
- [DNA inhibits catalysis by the carboxyltransferase subunit of acetyl-CoA carboxylase: implications for active site communication.](#)  
*Acetyl-CoA carboxylase (ACC) catalyzes the first committed step in the...*7th March, 2008  
Division of Biochemistry and Molecular Biology, Louisiana State University,- Protein Sci. 2008 Jan;17(1):34-42. ([DOI Direct Link](#))
- [A single mutation in the active site swaps the substrate specificity of N-acetyl-L-ornithine transcarbamylase and N-succinyl-L-ornithine transcarbamylase.](#)  
*Transcarbamylases catalyze the transfer of the carbamyl group from...*30th October, 2007  
Children's National Medical Center, The George Washington University,- Protein Sci. 2007 Aug;16(8):1689-99. Epub 2007 Jun 28. ([DOI Direct Link](#))
- [Protein knots and fold complexity: some new twists.](#)  
*The current knowledge on topological knots in protein structure is...*1st August, 2007  
Division of Mathematical Biology, National Institute for Medical Research,- Comput Biol Chem. 2007 Jun;31(3):151-62. Epub 2007 Mar 24. ([DOI Direct Link](#))
- [Crystal structure of the carboxyltransferase domain of the oxaloacetate decarboxylase Na<sup>+</sup> pump from Vibrio cholerae.](#)  
*Oxaloacetate decarboxylase is a membrane-bound multiprotein complex that...*19th May, 2007  
Biomolecular Research, Paul Scherrer Institut, CH-5232 Villigen,- J Mol Biol. 2007 Mar 23;367(2):547-57. Epub 2006 Dec 19. ([DOI Direct Link](#))

- [Transcarboxylase mRNA: a marker which evidences \*P. freudenreichii\* survival and metabolic activity during its transit in the human gut.](#)  
*Dairy propionibacteria have recently been considered as probiotics which...* 21st March, 2007  
Laboratoires Standa, UMR-STLO, 65 rue de Saint-Brieuc, 35042 RENNES cedex,- Int J Food Microbiol. 2007 Feb 15;113(3):303-14. Epub 2006 Dec 5. ([DOI Direct Link](#))
- [The gene cluster for agmatine catabolism of \*Enterococcus faecalis\*: study of recombinant putrescine transcarbamylase and agmatine deiminase and a snapshot of agmatine deiminase catalyzing its reaction.](#)  
*Enterococcus faecalis makes ATP from agmatine in three steps catalyzed by...* 8th March, 2007  
Instituto de Biomedicina de Valencia (IBV-CSIC), C/Jaime Roig 11, 46010- J Bacteriol. 2007 Feb;189(4):1254-65. Epub 2006 Oct 6. ([DOI Direct Link](#))
- [New and easy strategy for cloning, expression, purification, and characterization of the 5S subunit of transcarboxylase from \*Propionibacterium f. shermanii\*.](#)  
*Methylmalonyl CoA-oxalacetate transcarboxylase (EC 2. 1. 3. 1) from...* 3rd February, 2007  
Institute of Analytical Chemistry, University of Leipzig, Leipzig,- Prep Biochem Biotechnol. 2007;37(1):13-26. ([DOI Direct Link](#))
- [Structural diversity in the six-fold redundant set of acyl-CoA carboxyltransferases in \*Mycobacterium tuberculosis\*.](#)  
*Mycobacterium tuberculosis contains multiple versions of the accA and accD...* 31st January, 2007  
EMBL c/o DESY, Notkestrasse 85, D-22603 Hamburg, Germany.- FEBS Lett. 2006 Dec 22;580(30):6898-902. Epub 2006 Nov 30. ([DOI Direct Link](#))
- [Protein aggregation starting from the native globular state.](#)  
*Amyloid formation by globular proteins that normally adopt a compact...* 15th November, 2006  
Universita di Firenze, Dipartimento di Scienze Biochimiche, Firenze,- Methods Enzymol. 2006;413:75-91. ([DOI Direct Link](#))
- [A high-throughput screening assay for the carboxyltransferase subunit of acetyl-CoA carboxylase.](#)  
*One consequence of the dramatic rise of antibiotic-resistant pathogenic...* 13th October, 2006  
Antibacterial Pharmacology, Pfizer Global Research and Development, Ann- Anal Biochem. 2006 Jul 1;354(1):70-7. Epub 2006 May 3. ([DOI Direct Link](#))
- [Prefibrillar amyloid aggregates could be generic toxins in higher organisms.](#)  
*More than 40 human diseases are associated with fibrillar deposits of...* 6th September, 2006  
Department of Biochemical Sciences, University of Florence, 50134- J Neurosci. 2006 Aug 2;26(31):8160-7. ([DOI Direct Link](#))
- [Structures of N-acetylornithine transcarbamoylase from \*Xanthomonas campestris\* complexed with substrates and substrate analogs imply mechanisms for substrate binding and catalysis.](#)  
*N-acetyl-L-ornithine transcarbamoylase (AOTCase) is a new member of the...* 3rd August, 2006  
Children's National Medical Center, Washington, DC 20010-2970, USA.- Proteins. 2006 Aug 1;64(2):532-42. ([DOI Direct Link](#))

\*\*\*

Resources from the [NCBI](#) used in this document, [NCBI's standard disclaimer applies](#).

Nothing in this document should be used in place of personal medical advice from your own qualified medical practitioner. See BioPortfolio.com [User Agreement](#)

Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

All rights reserved. All other trademarks recognized.

BioPortfolio Limited is registered in England & Wales at Wessex Barn, Dorchester Road, Frampton, Dorset, DT2 9NB, UK. No.3312883 VAT No. GB 744 6483 10

Copyright 1997-2008 - BioPortfolio Limited.

