

Uracil-DNA Glycosidase

[View the current Uracil-DNA Glycosidase InDepth page on BioPortfolio.com](http://www.bioportfolio.com/indepth/Uracil-DNA_Glycosidase.html)

(http://www.bioportfolio.com/indepth/Uracil-DNA_Glycosidase.html)



Recent Publications on Uracil-DNA Glycosidase:

- [Ion pairs and their role in modulating stability of cold- and warm-active uracil DNA glycosylase.](#)
MD simulations and continuum electrostatics calculations have been used to... 16th August, 2008
The Norwegian Structural Biology Centre, Department of Chemistry,- Proteins. 2008 May 15;71(3):1219-30. ([DOI Direct Link](#))
- [Folate deficiency induces neurodegeneration and brain dysfunction in mice lacking uracil DNA glycosylase.](#)
Folate deficiency and resultant increased homocysteine levels have been... 13th August, 2008
Klinik und Poliklinik für Neurologie, Center for Stroke Research Berlin,- J Neurosci. 2008 Jul 9;28(28):7219-30. ([DOI Direct Link](#))
- [Characterization of Ig gene somatic hypermutation in the absence of activation-induced cytidine deaminase.](#)
Somatic hypermutation (SHM) of Ig genes depends upon the deamination of C... 13th August, 2008
Autoimmunity Branch, National Institute of Arthritis and Musculoskeletal- J Immunol. 2008 Jul 15;181(2):1299-306.
- [Protein surface conservation in binding sites.](#)
An algorithm is described which uses the conservation of the 3D structure... 31st July, 2008
National Institute of Chemistry, Ljubljana, Slovenia.- J Chem Inf Model. 2008 Jun;48(6):1279-86. Epub 2008 May 14. ([DOI Direct Link](#))
- [Unique features of the structure and interactions of mycobacterial uracil-DNA glycosylase: structure of a complex of the Mycobacterium tuberculosis enzyme in comparison with those from other sources.](#)
Uracil-DNA glycosylase (UNG), a repair enzyme involved in the excision of... 1st July, 2008
Molecular Biophysics Unit, Indian Institute of Science, Bangalore 560 012,- Acta Crystallogr D Biol Crystallogr. 2008 May;64(Pt 5):551-60. Epub 2008 ([DOI Direct Link](#))
- [Human APOBEC3G can restrict retroviral infection in avian cells and acts independently of both UNG and SMUG1.](#)
APOBEC3 proteins are mammal-specific cytidine deaminases that can restrict... 24th June, 2008
Medical Research Council Laboratory of Molecular Biology, Hills Road,- J Virol. 2008 May;82(9):4660-4. Epub 2008 Feb 13. ([DOI Direct Link](#))
- [Uracil incorporation into genomic DNA does not predict toxicity caused by chemotherapeutic inhibition of thymidylate synthase.](#)
Thymidylate synthase (TS) is an important target of several... 14th May, 2008
Department of Pharmaceutical and Biomedical Sciences, South Carolina- DNA Repair (Amst). 2008 Feb 1;7(2):162-9. Epub 2007 Oct 17. ([DOI Direct Link](#))

- [Electrostatic interactions play an essential role in DNA repair and cold-adaptation of uracil DNA glycosylase.](#)
Life has adapted to most environments on earth, including low and high...22nd April, 2008
The Norwegian Structural Biology Centre, Department of Chemistry,- J Mol Model. 2008 Mar;14(3):201-13. Epub 2008 Jan 15. ([DOI Direct Link](#))
- [Correlated cleavage of single- and double-stranded substrates by uracil-DNA glycosylase.](#)
Uracil-DNA glycosylase (Ung) can quickly locate uracil bases in an excess...9th April, 2008
SB RAS Institute of Chemical Biology and Fundamental Medicine, Novosibirsk- FEBS Lett. 2008 Feb 6;582(3):410-4. Epub 2008 Jan 15. ([DOI Direct Link](#))
- [Two levels of protection for the B cell genome during somatic hypermutation.](#)
Somatic hypermutation introduces point mutations into immunoglobulin genes...20th March, 2008
Department of Immunobiology, Yale University School of Medicine, New- Nature. 2008 Feb 14;451(7180):841-5. ([DOI Direct Link](#))
- [Molecular cloning of PCR products.](#)
It is often desirable to clone PCR products to establish a permanent...14th March, 2008
MJ Research, Watertown, Massachusetts, USA.- Curr Protoc Mol Biol. 2001 Nov;Chapter 15:Unit 15.4. ([DOI Direct Link](#))
- [Bacterial beta-lactamase fragmentation complementation strategy can be used as a method for identifying interacting protein pairs.](#)
We investigated the applicability of the TEM-1 beta- lactamase fragment...29th February, 2008
Department of Advanced Technology Fusion and Bio/Molecular Informatics- J Microbiol Biotechnol. 2007 Oct;17(10):1607-15.
- [Methylation and uracil interference assays for analysis of protein-DNA interactions.](#)
Interference assays identify specific residues in the DNA binding site...22nd February, 2008
University of North Carolina, Chapel Hill, North Carolina, USA.- Curr Protoc Mol Biol. 2001 May;Chapter 12:Unit 12.3. ([DOI Direct Link](#))
- [High rate of starvation-associated mutagenesis in Ung\(-\) yeast caused by the overproduction of human activation-induced deaminase.](#)
We examined the role of Saccharomyces cerevisiae uracil DNA glycosylase in...1st February, 2008
Dipartimento di Biologia Cellulare e Ambientale, Universita di Perugia,- Curr Genet. 2007 Nov;52(5-6):239-45. Epub 2007 Oct 13. ([DOI Direct Link](#))
- [Activation-induced cytidine deaminase-dependent DNA breaks in class switch recombination occur during G1 phase of the cell cycle and depend upon mismatch repair.](#)
Ab class switching occurs by an intrachromosomal recombination and...7th December, 2007
Department of Molecular Genetics and Microbiology, Program in Immunology- J Immunol. 2007 Nov 1;179(9):6064-71.

BioNews Results for Uracil-DNA Glycosidase

- [Pieces of Earliest Genetic Material may be Extraterrestrial](#)
MediNews.com: Jul 24 2008 2:25PM Matching: uracil dna
- [Early genes might have come from the stars](#)
Webindia123: Jun 18 2008 3:15AM Matching: uracil dna
- [Genetic materials of starry origin: study](#)
Webindia123: Jun 14 2008 7:17PM Matching: uracil dna



Uracil-DNA Glycosidase Patents:

- 6828434- [Oligonucleotide and nucleotide amine analogs, methods of synthesis and use](#)
- 5683896- [Process for controlling contamination of nucleic acid amplification reactions](#)
- 5719271- [Covalently cross-linked oligonucleotides](#)
- 5837532- [Herpes simplex virus type 1 mutant](#)
- 5945313- [Process for controlling contamination of nucleic acid amplification reactions](#)
- 6235886- [Methods of synthesis and use](#)
- 6287823- [Process for controlling contamination of nucleic acid amplification reactions](#)
- 6495671- [Oligonucleotide and nucleotide amine analogs, methods of synthesis and use](#)
- 6518026- [Process for controlling contamination of nucleic acid amplification reactions](#)
- 5543507- [Covalently cross-linked oligonucleotides](#)

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.

