

Uridine Diphosphate Glucose Dehydrogenase

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Recent Publications on Uridine Diphosphate Glucose Dehydrogenase:



- [Molecular control of the hyaluronan biosynthesis.](#)
*Hyaluronan (HA) is the only unsulfated glycosaminoglycan (GAG) composed of...*27th September, 2008
Dipartimento di Scienze Biomediche Sperimentali e Cliniche, Universita'- Connect Tissue Res. 2008;49(3):111-4. ([DOI Direct Link](#))
- [Synthesis of FUDP-N-acetylglucosamine and FUDP-glucose in *Saccharomyces cerevisiae* cells treated with 5-fluorouracil.](#)
*Saccharomyces cerevisiae cells (strain W303-1A) treated with...*6th May, 2008
Departamento de Bioquímica, Instituto de Investigaciones Biomedicas- FEMS Yeast Res. 2008 Mar;8(2):257-65. Epub 2007 Nov 7. ([DOI Direct Link](#))
- [Glucuronylation in *Escherichia coli* for the bacterial synthesis of the carbohydrate moiety of nonsulfated HNK-1.](#)
*We have previously reported the large-scale synthesis of neolactotetraose...*1st April, 2008
Centre de Recherches sur les Macromolécules Vegetales, 601 rue de la- Glycobiology. 2008 Feb;18(2):152-7. Epub 2007 Dec 12. ([DOI Direct Link](#))
- [Genome-wide analysis of the UDP-glucose dehydrogenase gene family in *Arabidopsis*, a key enzyme for matrix polysaccharides in cell walls.](#)
*Arabidopsis cell walls contain large amounts of pectins and...*25th March, 2008
University of Frankfurt, Plant Molecular Biology, Biocenter, D-60439- J Exp Bot. 2007;58(13):3609-21. ([DOI Direct Link](#))
- [17Beta-oestradiol up-regulates the expression of a functional UDP-glucose dehydrogenase in articular chondrocytes: comparison with effects of cytokines and growth factors.](#)
*OBJECTIVES: To investigate the mechanisms by which cytokines and...*19th March, 2008
Laboratory of Extracellular Matrix and Pathology, Faculty of Medicine, IFR- Rheumatology (Oxford). 2008 Mar;47(3):281-8. Epub 2008 Jan 31. ([DOI Direct Link](#))
- [Alteration of the quaternary structure of human UDP-glucose dehydrogenase by a double mutation.](#)
*There are conflicting views for the polymerization process of human...*12th January, 2008
Department of Biochemistry and Molecular Biology, University of Ulsan- J Biochem Mol Biol. 2007 Sep 30;40(5):690-6.
- [Hyaluronic acid production by recombinant *Lactococcus lactis*.](#)
*Microbial hyaluronic acid (HA), commonly produced by pathogenic...*9th January, 2008
Department of Chemical Engineering, National Taiwan University of Science- Appl Microbiol Biotechnol. 2007 Nov;77(2):339-46. Epub 2007 Sep 6. ([DOI Direct Link](#))

- [Recombinant synthesis of hyaluronan by Agrobacterium sp.](#)
*Hyaluronan (HA) is a sugar polymer of a repeating disaccharide, beta 1-3...*9th January, 2008
School of Chemical and Biomolecular Engineering, Georgia Institute of- Biotechnol Prog. 2007
Sep-Oct;23(5):1038-42. Epub 2007 Aug 18. ([DOI Direct Link](#))
- [Biochemical characterization and phylogenetic analysis of UDP-glucose dehydrogenase from the gellan gum producer Sphingomonas elodea ATCC 31461.](#)
*Sphingomonas elodea ATCC 31461 synthesizes in high yield the...*4th January, 2008
IBB - Institute for Biotechnology and Bioengineering, Centre for- Appl Microbiol Biotechnol. 2007
Oct;76(6):1319-27. Epub 2007 Aug 1. ([DOI Direct Link](#))
- [Identification of the lipooligosaccharide biosynthetic gene cluster from Mycobacterium marinum.](#)
*Lipooligosaccharides (LOSs) are antigenic glycolipids that are present in...*27th October, 2007
Department of Medical Genetics and Microbiology, University of Toronto, 1- Mol Microbiol. 2007
Mar;63(5):1345-59. ([DOI Direct Link](#))
- [Comparative analysis of two UDP-glucose dehydrogenases in Pseudomonas aeruginosa PAO1.](#)
*UDP-glucose dehydrogenase (UGDH) catalyzes a two-step NAD(+)-dependent...*26th September, 2007
Institute of Molecular Medicine, National Tsing Hua University, Hsin Chu- J Biol Chem. 2007 Jun
15;282(24):17738-48. Epub 2007 Apr 18. ([DOI Direct Link](#))
- [Mutations blocking side chain assembly, polymerization, or transport of a Wzy-dependent Streptococcus pneumoniae capsule are lethal in the absence of suppressor mutations and can affect polymer transfer to the cell wall.](#)
*Extracellular polysaccharides of many bacteria are synthesized by the Wzy...*30th May, 2007
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- [\[Golgi units regulating diversity of glycosylation\]](#)
*Extracellular polysaccharides of many bacteria are synthesized by the Wzy...*11th April, 2007
Mitsubishi-Kagaku Institute of Life Sciences, Machida, Tokyo, Japan.- Seikagaku. 2007 Jan;79(1):42-5.
- [Characterization of colony morphology variants isolated from Streptococcus pneumoniae biofilms.](#)
*In this study, we report the isolation of colony morphology variants from...*29th March, 2007
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Mar;189(5):2030-8. Epub 2006 Dec 22. ([DOI Direct Link](#))
- [Characterization of human UDP-glucose dehydrogenase reveals critical catalytic roles for lysine 220 and aspartate 280.](#)
*Human UDP-glucose dehydrogenase (UGDH) is a homohexameric enzyme that...*28th February, 2007
Department of Biochemistry, University of Nebraska, Lincoln, Nebraska- Biochemistry. 2007 Jan
16;46(2):369-78. ([DOI Direct Link](#))

Uridine Diphosphate Glucose Dehydrogenase Patents:



- 7220838- [Antibodies that specifically bind hedgehog-derived polypeptides](#)
- 7098381- [Plant uridine diphosphate-glucose dehydrogenase genes, proteins, and uses thereof](#)
- 6911528- [Hedgehog-derived polypeptides](#)
- 6399859- [Plant uridine diphosphate-glucose dehydrogenase genes, proteins, and uses thereof](#)
- 6057091- [Method of identifying compounds affecting hedgehog cholesterol transfer](#)

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