

Mannosyltransferases

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- [Disruption of *Trichoderma reesei* gene encoding protein O-mannosyltransferase I results in a decrease of the enzyme activity and alteration of cell wall composition.](#)
In fungi transfer of the first mannosyl residue to proteins during their... 1st October, 2008
Institute of Biochemistry and Biophysics, Polish Academy of Sciences,- *Acta Biochim Pol.* 2008;55(2):251-9. Epub 2008 May 26.
- [Activity and stability of alpha- and beta-mannosyltransferases in *Candida albicans* cells cultured at high temperature and at low pH.](#)
We measured the activity and stability of three mannosyltransferases to... 3rd September, 2008
Department of Infection and Host Defense, Tohoku Pharmaceutical- *Biol Pharm Bull.* 2008 Jul;31(7):1333-6.
- [Crystallization and preliminary crystallographic analysis of mannosyl-3-phosphoglycerate synthase from *Rubrobacter xylanophilus*.](#)
Rubrobacter xylanophilus is the only Gram-positive bacterium known to... 22nd August, 2008
IBMC-Instituto de Biologia Molecular e Celular, Universidade do Porto,- *Acta Crystallogr Sect F Struct Biol Cryst Commun.* 2008 Aug 1;64(Pt ([DOI Direct Link](#)))
- [The putative {alpha}-1,2-mannosyltransferase AfMnt1 of the opportunistic fungal pathogen *Aspergillus fumigatus* is required for cell wall stability and full virulence.](#)
Proteins entering the eukaryotic secretory pathway are commonly... 19th August, 2008
Max-von-Pettenkofer-Institut, Ludwig-Maximilians-Universitat, Munich,- *Eukaryot Cell.* 2008 Aug 15. ([DOI Direct Link](#))
- [Characterization and expression analysis of genes directing galactomannan synthesis in coffee.](#)
BACKGROUND AND AIMS: Galactomannans act as storage reserves for the seeds... 15th August, 2008
Centre de Recherche Nestle, 101 Av. Gustave Eiffel, Notre Dame d'Oe, BP- *Ann Bot (Lond).* 2008 Aug;102(2):207-20. Epub 2008 Jun 18. ([DOI Direct Link](#))
- [Dolichol-phosphate mannose synthase: structure, function and regulation.](#)
Glycosylation is the major modification of proteins, and alters their... 1st August, 2008
Department of Immunoregulation, Research Institute for Microbial Diseases,- *Biochim Biophys Acta.* 2008 Jun;1780(6):861-8. Epub 2008 Mar 14. ([DOI Direct Link](#))
- [Identification of a novel alpha\(1-->6\) mannopyranosyltransferase MptB from *Corynebacterium glutamicum* by deletion of a conserved gene, NCgl1505, affords a lipomannan- and lipoarabinomannan-deficient mutant.](#)
Mycobacterium tuberculosis and Corynebacterium glutamicum share a similar... 22nd July, 2008

School of Biosciences, University of Birmingham, Edgbaston, Birmingham B15- Mol Microbiol. 2008 Jun;68(6):1595-613. Epub 2008 Apr 28. ([DOI Direct Link](#))

- [Mutations in pimE restore lipoarabinomannan synthesis and growth in a Mycobacterium smegmatis lpgW mutant.](#)
*Lipoarabinomannans (LAMs) and phosphatidylinositol mannosides (PIMs) are...*17th July, 2008
Department of Microbiology, Monash University, Clayton, Victoria 3800,- J Bacteriol. 2008 May;190(10):3690-9. Epub 2008 Mar 14. ([DOI Direct Link](#))
- [Protein glycosylation pathways in filamentous fungi.](#)
*Glycosylation of proteins is important for protein stability, secretion,...*28th May, 2008
Department of Chemistry and Biomolecular Sciences, Macquarie University,- Glycobiology. 2008 Aug;18(8):626-37. Epub 2008 May 26. ([DOI Direct Link](#))
- [The Walker-Warburg phenotype and genotype among Irish Travellers.](#)
*Mannosylphospho dolichol synthase (DPMS) catalyzes the transfer reaction...*28th May, 2008
The National Centre for Medical Genetics, Dublin, Ireland.- Clin Dysmorphol. 2008 Apr;17(2):119-20. ([DOI Direct Link](#))
- [Plasmodium falciparum dolichol phosphate mannose synthase represents a novel clade.](#)
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Institute for Virology, Laboratory of Parasitology, Medical Centre for- Biochem Biophys Res Commun. 2008 Jun 6;370(3):388-93. Epub 2008 Mar 18. ([DOI Direct Link](#))
- [POMT2, a key enzyme in Walker-Warburg syndrome: somatic sPOMT2, but not testis-specific tPOMT2, is crucial for mannosyltransferase activity in vivo.](#)
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Department of Cell Chemistry, Heidelberg Institute of Plant Sciences,- Glycobiology. 2008 Aug;18(8):615-25. Epub 2008 May 19. ([DOI Direct Link](#))
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Department of Physiology, University of Pennsylvania School of Medicine,- Dev Cell. 2008 Apr;14(4):523-34. ([DOI Direct Link](#))
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- [Unique structural motif supports mannosylphospho dolichol synthase: an important angiogenesis regulator.](#)
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Department of Biochemistry, School of Medicine, University of Puerto Rico,- Curr Drug Targets. 2008 Apr;9(4):262-71.

Mannosyltransferases Patents:



- 6833130- [Recombinant microorganisms expressing an oligosaccharide receptor mimic](#)
- 7138371- [Remodeling and glycoconjugation of peptides](#)
- 7141547- [Albumin fusion proteins comprising GLP-1 polypeptides](#)
- 7157277- [Factor VIII remodeling and glycoconjugation of Factor VIII](#)

- 7173003- [Granulocyte colony stimulating factor: remodeling and glycoconjugation of G-CSF](#)
- 7179617- [Factor IX: remodeling and glycoconjugation of Factor IX](#)
- 7183082- [Glycoprotein synthesis](#)
- 7189690- [Albumin fusion proteins](#)
- 7199222- [Glycoprotein synthesis](#)
- 7214660- [Erythropoietin: remodeling and glycoconjugation of erythropoietin](#)
- 7217548- [N-acetylglucosaminyltransferase and polynucleotide encoding the same](#)
- 7129333- [Glycoprotein synthesis](#)
- 7125843- [Glycoconjugates including more than one peptide](#)
- 7105554- [Benzylidene thiazolidinediones and their use as antimycotic agents](#)
- 6878687- [Protein HMAAD57](#)
- 6905688- [Albumin fusion proteins](#)
- 6919440- [Mannosyl transfer with regeneration of GDP-mannose](#)
- 6926898- [Albumin fusion proteins](#)
- 6927042- [Glycoprotein synthesis](#)
- 6987079- [Supported catalyst systems](#)
- 6994857- [Albumin fusion proteins](#)
- 7018824- [Mannosyl transfer with regeneration of GDP-mannose](#)
- 7029872- [Methods for producing modified glycoproteins](#)
- 7053190- [Secreted protein HRGDF73](#)
- 7217809- [Glycoprotein synthesis](#)
- 7226903- [Interferon beta: remodeling and glycoconjugation of interferon beta](#)
- 7326681- [Methods for producing modified glycoproteins](#)
- 7326770- [H. pylori fucosyltransferases](#)
- 7332355- [Method and compositions for the detection of protein glycosylation](#)
- 7335500- [Production of fucosylated carbohydrates by enzymatic fucosylation synthesis of sugar nucleotides; and in situ regeneration of GDP-fucose](#)
- 7338933- [O-linked glycosylation of peptides](#)
- 7368108- [Glycopeptide remodeling using amidases](#)
- 7378263- [In vivo site-specific incorporation of N-acetyl-galactosamine amino acids in eubacteria](#)
- 7381544- [Nucleic acid that encodes a fusion protein](#)
- 7399613- [Sialic acid nucleotide sugars](#)
- 7405198- [Glycopegylated erythropoietin](#)
- 7323316- [Glycosyltransferase inhibitors](#)
- 7314845- [Supported catalyst systems](#)
- 7297511- [Interferon alpha: remodeling and glycoconjugation of interferon alpha](#)
- 7238510- [Glycoprotein synthesis](#)
- 7238660- [Albumin fusion proteins](#)
- 7238667- [Albumin fusion proteins](#)
- 7244601- [Fusion proteins for use in enzymatic synthesis of oligosaccharides](#)
- 7252933- [Protein glycosylation modification in methylotrophic yeast](#)
- 7259007- [Methods for eliminating mannosylphosphorylation of glycans in the production of glycoproteins](#)
- 7262040- [Glycoprotein synthesis](#)
- 7265084- [Glycopegylation methods and proteins/peptides produced by the methods](#)
- 7265085- [Glycoconjugation methods and proteins/peptides produced by the methods](#)
- 7276475- [Remodeling and glycoconjugation of peptides](#)
- 7416858- [Pharmaceutical compositions of glycoconjugates](#)

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