

Polygalacturonase

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Recent Publications on Polygalacturonase:

- [In silico analysis of pectin lyase and pectinase sequences.](#)
A total of 48 full-length protein sequences of pectin lyases from... 18th November, 2009
Department of Biotechnology, Deen Dayal Upadhyaya Gorakhpur University,- Biochemistry (Mosc). 2009 Sep;74(9):1049-55.
- [Mechanical and thermal pretreatments of crushed tomatoes: effects on consistency and in vitro accessibility of lycopene.](#)
The effects of mechanical and thermal treatments on the consistency and in... 10th November, 2009
SIK-The Swedish Inst for Food and Biotechnology, Structure and Material- J Food Sci. 2009 Sep;74(7):E386-95. ([DOI Direct Link](#))
- [Identification and characterization of a psychrophilic yeast strain newly isolated from the fermentative starter \(Loog-pang\) of a traditional drink in Thailand.](#)
One psychrophilic yeast strain, that grew well in a cold environment such... 10th November, 2009
Division of Applied Biological Science, Graduate School of Life and- Biocontrol Sci. 2009 Sep;14(3):119-22.
- [Gel-based proteomics approach to the study of metabolic changes in pear tissue during storage.](#)
The effect of extreme gas conditions (anoxia and air) on the protein... 5th November, 2009
BIOSYST-MeBioS Division, Katholieke Universiteit Leuven, Leuven, Belgium.- J Agric Food Chem. 2009 Aug 12;57(15):6997-7004. ([DOI Direct Link](#))
- [Molecular cloning, functional analysis and localization of a novel gene encoding polygalacturonase-inhibiting protein in *Chorispora bungeana*.](#)
Polygalacturonase-inhibiting proteins (PGIPs) are plant defense proteins.... 4th November, 2009
Key Laboratory of Arid and Grassland Agroecology (Ministry Education),- Planta. 2009 Nov 3. ([DOI Direct Link](#))
- [A separation defect of tapetum cells and microspore mother cells results in male sterility in *Brassica napus*: the role of abscisic acid in early anther development.](#)
*Male sterility is an important contributor to heterosis in *Brassica napus*...* 29th October, 2009
National Key Laboratory of Crop Genetic Improvement, National Center of- Plant Mol Biol. 2009 Oct 28. ([DOI Direct Link](#))
- [Recovery of endo-polygalacturonase activity in wine yeast and its effect on wine aroma.](#)
Abstract The PGU1 gene, which encodes an endo-polygalacturonase, is... 21st October, 2009
Institute for Wine Biotechnology, Stellenbosch University, Matieland,- FEMS Yeast Res. 2009 Sep 25. ([DOI Direct Link](#))

- [Regulation of endo-polygalacturonase activity in *Saccharomyces cerevisiae*.](#)
*Abstract Pectolytic activity in *Saccharomyces cerevisiae* is due to the...*21st October, 2009
Institute for Wine Biotechnology, Stellenbosch University, Matieland,- FEMS Yeast Res. 2009 Sep 17. ([DOI Direct Link](#))
- [Action of beta-galactosidase in medium on the *Lemna minor* \(L.\) callus polysaccharides.](#)
*The callus culture of duckweed cultivated on medium containing different...*20th October, 2009
Institute of Physiology, Komi Science Centre, The Urals Branch of the- Carbohydr Res. 2009 Dec 14;344(18):2602-5. Epub 2009 Aug 28. ([DOI Direct Link](#))
- [Transcriptome-Based Examination of Putative Pollen Allergens of Rice \(*Oryza sativa* ssp. *japonica*\).](#)
*Pollen allergens are among the most abundantly transcribed and translated...*15th October, 2009
Department of Botany and Microbiology, University of Oklahoma, Norman, OK- Mol Plant. 2008 Sep;1(5):751-9. Epub 2008 Jul 21. ([DOI Direct Link](#))
- [The polygalacturonase FaPG1 gene plays a key role in strawberry fruit softening.](#)
*The loss of firm texture is one of the most characteristic physiological...*13th October, 2009
Instituto de Investigacion y Formacion Agraria y Pesquera, Centro de- Plant Signal Behav. 2009 Aug;4(8):766-8. doi: 10.1104/pp.109.138297. Epub ([DOI Direct Link](#))
- [BcMF9, a novel polygalacturonase gene, is required for both *Brassica campestris* intine and exine formation.](#)
*Background and Aims The polygalacturonase (PG) gene family has been found...*10th October, 2009
Laboratory of Cell & Molecular Biology, Institute of Vegetable Science,- Ann Bot (Lond). 2009 Oct 8. ([DOI Direct Link](#))
- [Purification and characterization of an exo-polygalacturonase from *Pycnoporus sanguineus*.](#)
*The present work describes the purification and characterization of a...*29th September, 2009
Catedra de Fitoquimica, Instituto de Estudios Vegetales "Dr. A.R.- Mycol Res. 2009 Sep 23. ([DOI Direct Link](#))
- [Shotgun proteome profile of *Populus* developing xylem.](#)
*Understanding the molecular pathways of plant cell wall biosynthesis and...*11th September, 2009
Environmental Sciences Division, Oak Ridge National Laboratory, Oak Ridge,- Proteomics. 2009 Nov;9(21):4871-80. ([DOI Direct Link](#))
- [Molecular cloning and characterization of a ripening-induced polygalacturonase related to papaya fruit softening.](#)
*Pulp softening is one of the most remarkable changes during ripening of...*26th August, 2009
Laboratorio de Quimica, Bioquimica e Biologia Molecular de Alimentos,- Plant Physiol Biochem. 2009 Nov-Dec;47(11-12):1075-81. Epub 2009 Aug 14. ([DOI Direct Link](#))

Polygalacturonase Patents:



- 7507875- [Transcription factors](#)
- 7547820- [Method for altering the nutritional content of plant seed](#)
- 7550578- [Rice promoters for regulation of plant expression](#)
- 7553952- [Gamma tocopherol methyltransferase coding sequence identified in *Cuphea* and uses thereof](#)
- 7556937- [Method for producing ergosta-5,7-dienol and/or biosynthetic intermediate and/or secondary products thereof in transgenic organisms](#)
- 7557203- [Expression cassettes for the bi-directional transgenic expression of nucleic acids in plants](#)

- [7557262- Self processing plants and plant parts](#)
- [7557268- Promoter for expression of a gene and response to infection or wounding](#)
- [7563944- Expression cassette for nucleic acids in plant tissue containing starch](#)
- [7572952- Transgenic plants with tocopherol methyltransferase](#)
- [7588888- DNA encoding a plant deoxyhypusine synthase, a plant eukaryotic initiation factor 5A, transgenic plants and a method for controlling senescence programmed and cell death in plants](#)
- [7541433- Fluorescent and colored proteins, and polynucleotides that encode these proteins](#)
- [7534938- Synthetic nucleic acid molecule for imparting multiple traits](#)
- [7534757- Ligand and complex for catalytically bleaching a substrate](#)
- [7511190- Polynucleotides and polypeptides in plants](#)
- [7514110- Talaromyces xylanases](#)
- [7517675- Oxidation of carbohydrates by means of peroxidases and nitroxy radicals](#)
- [7521241- Regulated gene expression in plants](#)
- [7521599- Wheat plants having increased resistance to imidazolinone herbicides](#)
- [7524948- Expression cassettes for vascular tissue-preferential expression in plants](#)
- [7528232- Utility of phylloplanins as antibiotics, selective fungicides and for enhancing microbial resistance in crop plants](#)
- [7528294- Brassica INDEHISCENT1 sequences](#)
- [7528297- Wheat plants having increased resistance to imidazolinone herbicides](#)
- [7534440- Fusion molecules and methods for treatment of immune diseases](#)
- [7588922- Nucleic acid molecules encoding enzymes having fructosyltransferase activity, and their use](#)
- [7589254- Transgenic expression cassettes for expressing nucleic acid sequences in sink tissues of plants that store carbohydrate](#)
- [7605244- Gamma tocopherol methyltransferase coding sequence from Brassica and uses thereof](#)
- [7605308- Regulation of quinolate phosphoribosyl transferase expression](#)
- [7608421- Method for the production of 7-dehydrocholesterol and/or the biosynthetic intermediate or subsequent products thereof in transgenic organisms](#)
- [7608441- Sequence-determined DNA fragments encoding sterol desaturase proteins](#)
- [7608449- Methods and compositions related to high-titer pseudotyped retroviruses](#)
- [7608759- Scarecrow-like stress-related polypeptides and methods of use in plants](#)
- [7611882- Detergent compositions comprising Bacillus subtilis pectate lyases](#)
- [7612251- Nucleotide sequences mediating male fertility and method of using same](#)
- [7612255- Transgenic plants for mitigating introgression of genetically engineered genetic traits](#)
- [7615624- Arabidopsis derived promoters for regulation of plant expression](#)
- [7604976- Sequence-determined DNA fragments encoding glutamine amidotransferase proteins](#)
- [7604971- Sequence-determined DNA fragments encoding UBIE/COQ5 methyltransferase family proteins](#)
- [7601893- Stress-related polynucleotides and polypeptides in plants](#)
- [7592434- Pectate lyases, nucleic encoding them and methods for making and using them](#)
- [7595382- Gamma tocopherol methyltransferase coding sequences from Brassica and uses thereof](#)
- [7598084- Modifications of plant traits using cyclin A](#)
- [7598367- Early light-induced protein promoters](#)
- [7598429- Transcription factor sequences for conferring advantageous properties to plants](#)
- [7598431- Protein kinase stress-related polypeptides and methods of use in plants](#)
- [7598432- Gibberellin 2-oxidase](#)
- [7601529- Pectate lyase variants](#)
- [7601885- Transgenic plant comprising a cassava vein mosaic virus promoter and a heterologous nucleic acid sequence](#)
- [7601890- Plant sterol acyltransferases](#)
- [7619077- Nucleic acids encoding a galacturonosyl transferase enzyme \(GALAT1\) from arabidopsis](#)

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