

Ornithine-Oxo-Acid Transaminase

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Recent Publications on Ornithine-Oxo-Acid Transaminase:



- [Increased tolerance of rice to cold, drought and oxidative stresses mediated by the overexpression of a gene that encodes the zinc finger protein ZFP245.](#)
ZFP245 is a cold- and drought-responsive gene that encodes a zinc finger... 17th November, 2009
State Key Laboratory of Crop Genetics and Germplasm Enhancement, Nanjing- Biochem Biophys Res Commun. 2009 Nov 20;389(3):556-61. Epub 2009 Sep 12. ([DOI Direct Link](#))
- [Proteome analysis of tobacco leaves under salt stress.](#)
The mechanisms responsible for the effects of salt stress on tobacco... 17th November, 2009
National Institute of Crop Science, 2-1-18 Kannondai, Tsukuba, Japan.- Peptides. 2009 Sep;30(9):1651-9. Epub 2009 Jun 30. ([DOI Direct Link](#))
- [Late-onset ornithine transcarbamylase deficiency: a potentially fatal yet treatable cause of coma.](#)
Hyperammonaemia due to ornithine transcarbamylase (OTC) deficiency is a... 21st October, 2009
Department of Intensive Care Medicine, Austin Hospital, Melbourne, VIC.- Crit Care Resusc. 2009 Sep;11(3):222-7.
- [Hepatic glutamate metabolism: a tale of 2 hepatocytes.](#)
Glutamate plays a central role in hepatic amino acid metabolism, both... 30th September, 2009
Department of Biochemistry, Memorial University of Newfoundland, St- Am J Clin Nutr. 2009 Sep;90(3):857S-861S. Epub 2009 Jul 22. ([DOI Direct Link](#))
- [Overexpression of ornithine aminotransferase: consequences on amino acid homeostasis.](#)
Ornithine aminotransferase (OAT) is a reversible enzyme expressed mainly... 26th September, 2009
Laboratoire de Biologie de la Nutrition (EA2498), Faculte de Pharmacie,- Br J Nutr. 2009 Mar;101(6):843-51. Epub 2008 Aug 5. ([DOI Direct Link](#))
- [Secondary creatine deficiency in ornithine delta-aminotransferase deficiency.](#)
AIMS: Ornithine delta-aminotransferase (OAT) deficiency causes gyrate... 3rd July, 2009
Reference Center for Metabolic Disorders, Necker - Enfants Malades- Mol Genet Metab. 2009 Jun;97(2):109-13. Epub 2009 Mar 31. ([DOI Direct Link](#))
- [Proline accumulation and transcriptional regulation of proline biosynthesis and degradation in Brassica napus.](#)
To understand the molecular mechanism underlying proline accumulation in... 9th June, 2009
Key Laboratory of Photosynthesis and Environmental Molecular Physiology,- BMB Rep. 2009 Jan 31;42(1):28-34.
- [The evolution of pyrroline-5-carboxylate synthase in plants: a key enzyme in proline synthesis.](#)
Many plants synthesize and accumulate proline in response to osmotic... 17th April, 2009
Programa de Pos-Graduacao em Genetica e Biologia Molecular, Universidade- Mol Genet Genomics.

- 2009 Jan;281(1):87-97. Epub 2008 Nov 12. ([DOI Direct Link](#))
- [The human neonatal small intestine has the potential for arginine synthesis; developmental changes in the expression of arginine-synthesizing and -catabolizing enzymes.](#)
*BACKGROUND: Milk contains too little arginine for normal growth, but its...*4th February, 2009
Department of Anatomy & Embryology, Maastricht University, Maastricht, The- BMC Dev Biol. 2008 Nov 10;8:107. ([DOI Direct Link](#))
 - [Functional genomics and SNP analysis of human genes encoding proline metabolic enzymes.](#)
*Proline metabolism in mammals involves two other amino acids, glutamate...*17th December, 2008
Department of Biochemistry and Molecular Biology, University of New Mexico- Amino Acids. 2008 Nov;35(4):655-64. Epub 2008 May 28. ([DOI Direct Link](#))
 - [Introduction to second proline symposium.](#)
*Proline metabolism in mammals involves two other amino acids, glutamate...*17th December, 2008
- Amino Acids. 2008 Nov;35(4):653-4. ([DOI Direct Link](#))
 - [Human Delta1-pyrroline-5-carboxylate synthase: function and regulation.](#)
*Mammalian Delta(1)-pyrroline-5-carboxylate synthase (P5CS) is a...*17th December, 2008
Department of Biochemistry and Molecular Biology, University of New Mexico- Amino Acids. 2008 Nov;35(4):665-72. Epub 2008 Apr 10. ([DOI Direct Link](#))
 - [Molecular and functional analyses support a role of Ornithine-\(delta\)-aminotransferase in the provision of glutamate for glutamine biosynthesis during pine germination.](#)
*We report the molecular characterization and functional analysis of a gene...*11th November, 2008
Departamento de Biología Molecular y Bioquímica, Facultad de Ciencias,- Plant Physiol. 2008 Sep;148(1):77-88. Epub 2008 Jul 11. ([DOI Direct Link](#))
 - [A missense mutation in ALDH18A1, encoding Delta1-pyrroline-5-carboxylate synthase \(P5CS\), causes an autosomal recessive neurocutaneous syndrome.](#)
*There are several rare syndromes combining wrinkled, redundant skin and...*6th November, 2008
Department of Paediatrics and Child Health, University of Otago, Dunedin,- Eur J Hum Genet. 2008 Oct;16(10):1176-86. Epub 2008 May 14. ([DOI Direct Link](#))
 - [Ornithine-delta-aminotransferase is essential for arginine catabolism but not for proline biosynthesis.](#)
*BACKGROUND: Like many other plant species, Arabidopsis uses arginine (Arg)...*17th July, 2008
Department of Plant Physiology and Biochemistry, Biology Section,- BMC Plant Biol. 2008 Apr 17;8:40. ([DOI Direct Link](#))

Ornithine-Oxo-Acid Transaminase Patents:



- 7404951- [Method and composition for protecting neuronal tissue from damage induced by elevated glutamate levels](#)
- 6395299- [Matrices for drug delivery and methods for making and using the same](#)
- 6184036- [Ornithine biosynthesis enzymes](#)

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