

Triose-Phosphate Isomerase

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Recent Publications on Triose-Phosphate Isomerase:



- [Multilocus genotyping of Cryptosporidium and Giardia in non-outbreak related cases of diarrhoea in human patients in Belgium.](#)
*Stool samples from Belgian patients suffering from abdominal pain and/or...*20th October, 2009
Laboratory of Veterinary Parasitology, Ghent University, Salisburylaan- Parasitology. 2009
Sep;136(10):1161-8. Epub 2009 Jul 27. ([DOI Direct Link](#))
- [DNA vaccination by electroporation and boosting with recombinant proteins enhances efficacy of DNA vaccines for schistosomiasis japonica.](#)
*Schistosomiasis japonica is an endemic, zoonotic disease of major public...*9th October, 2009
Jiangsu Institute of Parasitic Diseases, Key Laboratory on Technology for- Clin Vaccine Immunol. 2009
Oct 7. ([DOI Direct Link](#))
- [Accumulation of large protein fragments in prematurely senescent ARPE-19 cells.](#)
*PURPOSE: Senescence of retinal pigment epithelial (RPE) cells is a crucial...*3rd October, 2009
Center for Advanced Research in Biotechnology, National Institute of- Invest Ophthalmol Vis Sci. 2009
Oct;50(10):4992-7. Epub 2009 May 20. ([DOI Direct Link](#))
- [Detection of autoantibodies against cyclophilin A and triosephosphate isomerase in sera from breast cancer patients by proteomic analysis.](#)
*Much interest is presently being shown toward identifying markers for the...*1st October, 2009
Department of Digestive Surgery and Surgical Oncology, Yamaguchi- Electrophoresis. 2009
Jun;30(12):2168-81. ([DOI Direct Link](#))
- [Impact of temporal changes and host factors on the genetic structure of a population of Opisthorchis viverrini sensu lato in Khon Kaen Province \(Thailand\).](#)
*The population genetics of 317 individual Opisthorchis viverrini from Khon...*30th September, 2009
Walai Rukhavej Botanical Research Institute (WRBRI), Mahasarakham- Parasitology. 2009
Aug;136(9):1057-63. Epub 2009 Jun 15. ([DOI Direct Link](#))
- [The Effect of Oxytocin and an Oxytocin Antagonist on the Human Myometrial Proteome.](#)
*Objective: The immediate effects of oxytocin on myometrial signal...*22nd September, 2009
- Reprod Sci. 2009 Sep 18. ([DOI Direct Link](#))
- [Structural effects of a dimer interface mutation on catalytic activity of triosephosphate isomerase. The role of conserved residues and complementary mutations.](#)
*The active site of triosephosphate isomerase (TIM, EC: 5.3.1.1), a dimeric...*17th September, 2009
Molecular Biophysics Unit, Indian Institute of Science, Bangalore, India.- FEBS J. 2009
Aug;276(15):4169-83. Epub 2009 Jul 3. ([DOI Direct Link](#))
- [An Improved Phenylarsine Oxide-Affinity Method Identifies Triose Phosphate Isomerase as a Candidate](#)

[Redox Receptor Protein.](#)

*Reversible oxidation on proteins of vicinal thiols to form intraprotein...*5th September, 2009
Department of Chemistry and Program in Biochemistry, Cell, and Molecular- Neurochem Res. 2009
Sep 3. ([DOI Direct Link](#))

- [Red cell glycolytic enzyme disorders caused by mutations: an update.](#)

*Glycolysis is one of the principle pathways of ATP generation in cells and...*21st August, 2009
Departament de Ciències Fisiològiques I, Unitat de Bioquímica, Institut- Cardiovasc Hematol Disord
Drug Targets. 2009 Jun;9(2):95-106.

- [Characterization of the endocannabinoid system in human neuronal cells and proteomic analysis of anandamide-induced apoptosis.](#)

*Anandamide (AEA) is an endogenous agonist of type 1 cannabinoid receptors...*20th August, 2009
Dipartimento di Scienze Biomediche, Università degli Studi di Teramo,- J Biol Chem. 2009 Oct
23;284(43):29413-26. Epub 2009 Aug 18. ([DOI Direct Link](#))

- [Comparative study of GH-transgenic and non-transgenic amago salmon \(*Oncorhynchus masou ishikawae*\) allergenicity and proteomic analysis of amago salmon allergens.](#)

*Genetically modified (GM) foods are beneficial from the standpoint of...*15th August, 2009
National Institute of Health Sciences, 1-18-1, Kamiyoga, Setagaya-ku,- Regul Toxicol Pharmacol. 2009
Dec;55(3):300-8. Epub 2009 Aug 11. ([DOI Direct Link](#))

- [Hydrion transfer catalyzed by triosephosphate isomerase. Products of the direct and phosphite-activated isomerization of \[1-\(13\)C\]-glycolaldehyde in D\(2\)O.](#)

*Product distributions for the reaction of glycolaldehyde labeled with...*11th August, 2009
Department of Chemistry, University at Buffalo, SUNY, Buffalo, New York- Biochemistry. 2009 Jun
23;48(24):5769-78. ([DOI Direct Link](#))

- [Deletion of the gene encoding the glycolytic enzyme triosephosphate isomerase \(tpi\) alters morphology of Salmonella enterica serovar Typhimurium and decreases fitness in mice.](#)

*The glycolytic enzyme triosephosphate isomerase (tpi) (EC 5.3.1.1) plays a...*7th August, 2009
Department of Veterinary Medicine, University of Cambridge, Cambridge, UK.- FEMS Microbiol Lett.
2009 May;294(1):45-51. Epub 2009 Mar 16. ([DOI Direct Link](#))

- [Molecular characterisation of Giardia duodenalis in captive non-human primates reveals mixed assemblage A and B infections and novel polymorphisms.](#)

*Giardia is frequently detected in stools of non-human primates (NHP)...*16th June, 2009
Laboratory of Parasitology, Faculty of Veterinary Medicine, Ghent- Int J Parasitol. 2009
Dec;39(14):1595-601. Epub 2009 Jun 10. ([DOI Direct Link](#))

- [High genetic polymorphism among Giardia duodenalis isolates from Sahrawi children.](#)

*Human giardiasis, the gastrointestinal infection caused by two genetically...*30th May, 2009
Department of Infectious, Parasitic and Immunomediated Diseases, Istituto- Trans R Soc Trop Med
Hyg. 2009 Aug;103(8):834-8. Epub 2009 May 27. ([DOI Direct Link](#))

Triose-Phosphate Isomerase Patents:



- 6057141- [DNA encoding the subunit of avian lactate dehydrogenase](#)
- 6531313- [Invasive bacterial vectors for expressing alphavirus replicons](#)
- 6548287- [Non-pyrogenic bacterial strains and use of the same](#)
- 6551820- [Expression of immunogenic hepatitis B surface antigens in transgenic plants](#)

- 6564151- [Assigning protein functions by comparative genome analysis protein phylogenetic profiles](#)
- 6620424- [Process for producing glycolytic metabolism regulators](#)
- 6632937- [Nucleic acids and proteins from Cenarchaeum symbiosum](#)
- 6653535- [Methods for modulating water-use efficiency or productivity in a plant by transforming with a DNA encoding a NAPD-malic enzyme operably linked to a guard cell or an epidermal cell promoter](#)
- 6682729- [Method for introducing and expressing genes in animal cells, and live invasive bacterial vectors for use in the same](#)
- 6759241- [Adjuvant comprising a lipopolysaccharide antagonist](#)
- 6772069- [Determining protein function and interaction from genome analysis](#)
- 6521427- [Method for the complete chemical synthesis and assembly of genes and genomes](#)
- 6500419- [Method for introducing and expressing RNA in animal cells](#)
- 6466874- [Rosetta stone method for detecting protein function and protein-protein interactions from genome sequences](#)
- 6083731- [Recombinant materials and methods for the production of limonene hydroxylases](#)
- 6150170- [Method for introducing and expressing genes in animal cells, and live invasive bacterial vectors for use in the same](#)
- 6165476- [Fusion proteins with an immunoglobulin hinge region linker](#)
- 6187564- [DNA encoding erythropoietin multimers having modified 5' and 3' sequences and its use to prepare EPO therapeutics](#)
- 6194185- [Recombinant materials and methods for production of limonene hydroxylases](#)
- 6235514- [Nucleic acid molecules encoding isopentenyl monophosphate kinase, and methods of use](#)
- 6242570- [Production and use of recombinant protein multimers with increased biological activity](#)
- 6303330- [Geranyl diphosphate synthase large subunit, and methods of use](#)
- 6395299- [Matrices for drug delivery and methods for making and using the same](#)
- 6451576- [Sesquiterpene synthases from grand fir \(Abies grandis\), and methods of use](#)
- 6875737- [Multivalent compounds for crosslinking receptors and uses thereof](#)
- 6903184- [Multiple antigenic peptides immunogenic against Streptococcus pneumonia](#)
- 7393525- [Method for introducing and expressing genes in animal cells, and live invasive bacterial vectors for use in the same](#)
- 7407790- [Recombinant double-stranded RNA phages and uses thereof](#)
- 7459161- [Methods for eliciting an immune response using cytolysin and hemolysin fusion proteins](#)
- 7470821- [Aldolase-inhibiting aromatic compounds](#)
- 7501132- [Multiple antigenic peptides immunogenic against Streptococcus pneumonia](#)
- 7520970- [Immobilization support, process for producing the same, electrode, process for producing the same, electrode reaction utilizing apparatus and process for producing the same](#)
- 7531341- [Compositions of prokaryotic phenylalanine ammonia-lyase and methods of using compositions thereof](#)
- 7534595- [Compositions of prokaryotic phenylalanine ammonia-lyase and methods of using compositions thereof](#)
- 7553653- [Variants and chemically-modified variants of phenylalanine ammonia-lyase](#)
- 7569219- [Recombinant double-stranded RNA phage, and use of the same](#)
- 7344858- [Glycosylated human granulocyte colony-stimulating factor \(G-CSF\) isoform](#)
- 7332310- [Mutant of homoserine dehydrogenase from Corynebacterium and DNA encoding thereof](#)
- 7282484- [Anti-tumor agents](#)
- 7018835- [Recombinant double-stranded RNA phage, and use of the same](#)
- 7052913- [Matrices for drug delivery and methods for making and using the same](#)
- 7056700- [Use of ClyA hemolysin for excretion of proteins](#)
- 7070793- [Antigen protein and nucleic acid coding for said protein](#)
- 7125718- [Method for introducing and expressing genes in animal cells, and bacterial blebs for use in same](#)
- 7160711- [Coryneform bacteria which produce chemical compounds I](#)
- 7217553- [Nucleic acids encoding human adamalysin SVPH1-8](#)
- 7264926- [Nucleoside Phosphatase](#)

- 7270992- [Method of preparing 2-deoxyribose 5-phosphate](#)
- 7276371- [Stimulation of hematopoietic cells in vitro](#)
- 7608256- [Methods to increase transgene expression from bacterial-based delivery systems by co-expressing suppressors of the eukaryotic type I interferon response](#)

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