

Papain

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Papain is a cysteine protease hydrolase enzyme present in papaya .



Recent Publications on Papain:

- [Inhibition of rat liver cathepsins B and L by the peptide aldehyde benzyloxycarbonyl-leucyl-leucyl-leucinal and its analogues.](#)
*Cathepsins B and L belong to the papain superfamily of cysteine proteases...*3rd October, 2008
Department of Chemistry, Faculty of Science and Engineering, Aoyama Gakuin- J Enzyme Inhib Med Chem. 2008 Oct 1:1. ([DOI Direct Link](#))
- [Partial Purification and Characterization of a Cysteine Protease Inhibitor from the Plerocercoid of *Spirometra erinacei*.](#)
*Helminthic cysteine proteases are well known to play critical roles in...*3rd October, 2008
Department of Parasitology, Cheju National University College of Medicine,- Korean J Parasitol. 2008 Sep;46(3):183-6. ([DOI Direct Link](#))
- [\[Proteolytic enzyme papain in industry and food causes allergic sensitization.\]](#)
*The proteolytic enzyme papain is known to cause allergic sensitization. At...*1st October, 2008
Arbejdsmedicinsk Klinik, Nordsjaellands Hospital, Hillerod, DK-3400- Ugeskr Laeger. 2008 Sep 29;170(40):3127-3129.
- [Molecular cloning, sequencing and characterization of channel catfish \(*Ictalurus punctatus*, Rafinesque 1818\) cathepsin S gene.](#)
*Cathepsin S is a lysosomal cysteine endopeptidase of the papain family....*27th September, 2008
United States Department of Agriculture, Agricultural Research Service,- Vet Immunol Immunopathol. 2008 Aug 23. ([DOI Direct Link](#))
- [Specific reaction of alpha,beta-unsaturated carbonyl compounds such as 6-shogaol with sulfhydryl groups in tubulin leading to microtubule damage.](#)
*6-Shogaol and 6-gingerol are ginger components with similar chemical...*23rd September, 2008
Molecular Biology and Pathogenesis of Gastroenterology, Nagoya University- FEBS Lett. 2008 Sep 19. ([DOI Direct Link](#))
- [The Human Protease Inhibitor Cystatin C Is an Activating Cofactor for the Streptococcal Cysteine Protease IdeS.](#)
*Human cystatin C is considered the physiologically most important...*23rd September, 2008
Department of Laboratory Medicine, Division of Clinical Chemistry and- Chem Biol. 2008 Sep 22;15(9):960-8. ([DOI Direct Link](#))
- [Peptidyl epoxides extended in the P' direction as cysteine protease inhibitors: Effect on affinity and mechanism of inhibition.](#)
*Endo peptidyl epoxides, in which the central epoxidic moiety replaces the...*16th September, 2008
The Julius Spokojny Bioorganic Chemistry Laboratory, Department of- Bioorg Med Chem. 2008 Aug

19. ([DOI Direct Link](#))
- [Novel fold of VirA, a type III secretion system effector protein from Shigella flexneri.](#)
*VirA, a secreted effector protein from Shigella sp., has been shown to be...*13th September, 2008
- Protein Sci. 2008 Sep 11. ([DOI Direct Link](#))
 - [Characterization of inhibitory mechanism and antifungal activity between group-1 and group-2 phytocystatins from taro \(Colocasia esculenta\).](#)
*Tarocystatin from Colocasia esculenta, a group-2 phytocystatin, is a...*13th September, 2008
Institute of Plant Biology, National Taiwan University, Taipei, Taiwan.- FEBS J. 2008 Sep 10. ([DOI Direct Link](#))
 - [Novel GYP\(A-B-A\) hybrid gene in a DANE+ person who made an antibody to a high-prevalence MNS antigen.](#)
*BACKGROUND: The glycophorin (GP) molecule associated with the GP.Dane...*4th September, 2008
New York Blood Center, New York, New York, USA.- Transfusion. 2008 Aug 27. ([DOI Direct Link](#))
 - [A pulse-radiolysis approach to fast reductive cleavage of a disulfide bond to uncage enzyme activity.](#)
*The essential thiol of the enzyme papain has been caged by linking to an...*2nd September, 2008
Centre for Chemical Biology, Department of Chemistry, Krebs Institute for- Free Radic Biol Med. 2008 Aug 9. ([DOI Direct Link](#))
 - [\[Isolation of blood caffeine as a model substance by enzymatic hydrolysis\]](#)
*Organic solvent extraction of toxic compounds from blood either directly...*2nd September, 2008
- Sud Med Ekspert. 2008 Jul-Aug;51(4):28-31.
 - [Expressional induction of Paralichthys olivaceus cathepsin B gene in response to virus, poly I:C and lipopolysaccharide.](#)
*Cathepsin B is a lysosomal cysteine protease of the papain-like enzyme...*30th August, 2008
State Key Laboratory of Freshwater Ecology and Biotechnology, Institute of- Fish Shellfish Immunol. 2008 Aug 7. ([DOI Direct Link](#))
 - [Activation mechanism of recombinant Der p 3 allergen zymogen: contribution of cysteine protease Der p 1 and effect of propeptide glycosylation.](#)
*The trypsin-like protease Der p 3, a major allergen of the house dust mite...*30th August, 2008
Centre d'Ingenierie des Proteines, University of Liege, Liege B-4000.- J Biol Chem. 2008 Aug 25. ([DOI Direct Link](#))
 - [An Entamoeba cysteine peptidase specifically expressed during encystation.](#)
*Protozoan parasites of the genus Entamoeba possess a considerable number...*30th August, 2008
Bernhard Nocht Institute for Tropical Medicine, Hamburg, Germany.- Parasitol Int. 2008 Aug 5. ([DOI Direct Link](#))

BioNews Results for Papain

- [Methods for treating bone cancer pain by administering a nerve growth factor antagonist](#)
PharmCast: Oct 2 2008 9:00PM Matching: papain
- [FDA Warns Companies to Stop Marketing Unapproved Ophthalmic Balanced Salt Solution Drug Products and Topical D](#)
PharmaceuticalProcessing: Oct 1 2008 12:54AM Matching: papain
- [FDA Issues Notice on Papain in Topical Drugs](#)
FDA News: Oct 1 2008 8:06PM Matching: papain
- [FDA Takes Aim at Topical Drugs With Papain](#)
FDA News: Sep 29 2008 3:00AM Matching: papain
- [FDA cracks down on unapproved drugs](#)
Foster's Daily Democrat: Sep 29 2008 8:14AM Matching: papain
- [FDA orders two unapproved drugs off the market](#)
ComplianceHome: Sep 27 2008 6:41PM Matching: papain

- [FDA Warns Companies To Stop Marketing Unapproved Ophthalmic Balanced Salt Solution Drug Products And Topical D](#)
Pharmaceutical Online: Sep 26 2008 7:46AM Matching: papain
- [FDA: Stop Marketing Unapproved Ophthalmic Balanced Salt Solution Drug Products](#)
EMax Health: Sep 26 2008 5:41AM Matching: papain
- [FDA Issues Warning for Unapproved Ophthalmic Medications](#)
Facts & Comparisons: Sep 26 2008 12:31PM Matching: papain
- [FDA Warns Companies to Stop Marketing Unapproved Ophthalmic Balanced Salt Solution Drug Products and Topical D](#)
Drugs.com: Sep 24 2008 1:46PM Matching: papain
- [US Food and Drug Administration: FDA Warns Companies to Stop Marketing Unapproved Ophthalmic Balanced Salt Sol](#)
Calibre Macro World: Sep 24 2008 9:51AM Matching: papain
- [FDA Warns Companies to Stop Marketing Unapproved Ophthalmic Balanced Salt Solution Drug Products and Topical D](#)
HealthNewsDigest.com: Sep 24 2008 6:39PM Matching: papain
- [Companies Warned to Stop Marketing Unapproved Ophthalmic Balanced Salt Solution Drug Products and Topical Drug](#)
Kansas City Infozine: Sep 24 2008 9:19AM Matching: papain
- [FDA Warns Companies to Stop Marketing Unapproved Ophthalmic Balanced Salt Solution Drug Products and Topical D](#)
Pharma Live: Sep 24 2008 12:33PM Matching: papain
- [FDA orders two unapproved drugs off the market](#)
Yahoo! News: Sep 24 2008 1:03AM Matching: papain

Papain Clinical Trials:



- [Assessment of the Safety and Efficacy of DERMASTREAM" - ENZYSTREAM" System for the Treatment of Chronic Venous Ulcers](#)
Lower Extremity Chronic Venous Ulcers

Papain Patents:



- 7425328- [Tissue factor antibodies and uses thereof](#)
- 7425610- [Methods and materials relating to CD84-like polypeptides and polynucleotides](#)
- 7425611- [Immunogenic HIV-1 multi-clade, multivalent constructs and methods of their use](#)
- 7425612- [Genes and polypeptides relating to human colon cancers](#)
- 7425613- [PRO1375 polypeptides](#)

- [7425615- Protein specific for cardiac and skeletal muscle](#)
- [7425618- Stabilized anti-respiratory syncytial virus \(RSV\) antibody formulations](#)
- [7425619- Fc.gamma.RIIB specific antibodies and methods of use thereof](#)
- [7425620- Fc.gamma.RIIB-specific antibodies and methods of use thereof](#)
- [7425621- Antibodies against the PRO4401 polypeptide](#)
- [7425622- Antibodies against C3a receptor](#)
- [7425609- PRO4330 polypeptides](#)
- [7425607- Compositions comprising a lung tumor antigen](#)
- [7425605- PRO1486 polypeptides](#)
- [7425329- Methods for treating bone cancer pain by administering a nerve growth factor antagonist](#)
- [7425330- Methods of inhibiting TNF.alpha. activity in the blood of a patient](#)
- [7425334- Methods of making antibodies that bind Nogo](#)
- [7425339- CD8alpha mutants](#)
- [7425445- Modulators that promote cell surface expression of odorant receptors](#)
- [7425451- Triazine derivatives as universal peptide isotope tag reagents \(U-PIT\)](#)
- [7425538- HAUSP-p53 interaction and uses thereof](#)
- [7425557- Inhibitors of glycogen synthase kinase 3](#)
- [7425559- Medicine containing pyrimidine derivative](#)
- [7425562- Inhibitors of cruzipain and other cysteine proteases](#)
- [7425631- Compounds and methods of use](#)
- [7427468- Anti-TSG101 antibodies and their uses for treatment of viral infections](#)
- [7429382- Antibodies that bind cell-associated CA 125/O772P and methods of use thereof](#)
- [7429473- Diacylglycerol acyltransferase genes, proteins, and uses thereof](#)
- [7429488- Method for processing lipoaspirate cells](#)
- [7429489- Methods of controlling proliferation and differentiation of stem and progenitor cells](#)
- [7429591- Substituted pyrazoles](#)
- [7429608- Benzo\[d\]imidazol analogs as vanilloid receptor ligands and their use in treatments](#)
- [7429640- PRO6181 polypeptides](#)
- [7429641- PRO9830 polypeptides](#)
- [7429646- Antibodies to human tumor necrosis factor receptor-like 2](#)
- [7429648- IREN protein, its preparation and use](#)
- [7429377- Therapeutic composition containing a plurality of immobilized proteases](#)
- [7428875- Traceability of transgenic plant seeds in upstream and downstream processing](#)
- [7427667- PRO9835 antibodies](#)
- [7427471- Modified "S" antibodies](#)
- [7427476- PITX2 polynucleotide, polypeptide and methods of use therefor](#)
- [7427478- Beta-secretase enzyme compositions and methods](#)
- [7427509- Method and apparatus for measuring fluorescence polarization in lab-on-a-chip](#)
- [7427591- Suppression of immune response via inhibition of cathepsin S](#)
- [7427600- Active agent delivery systems and methods for protecting and administering active agents](#)
- [7427617- Morpoline-bridged indazole derivatives](#)
- [7427634- Amino acid derivatives and pharmaceutical composition comprising, as active ingredients, them](#)
- [7427640- Oil materials comprising dimerdol ester and cosmetics comprising the ester](#)
- [7427664- Antibodies to polypeptides that stimulate TNF-.alpha. release](#)
- [7429656- Inhibition of SARS-associated coronavirus \(SCoV\) infection and replication by RNA interference](#)

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