

## Protein C

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Protein C is a major physiological anticoagulant. It is a vitamin K-dependent serine protease enzyme that is activated by thrombin into activated protein C. The activated form degrades Factor Va and Factor VIIIa. It should not be confused with C peptide or c-reactive protein or protein kinase C. The protein C pathway's key enzyme, activated protein C, provides physiologic antithrombotic activity and exhibits both anti-inflammatory and anti-apoptotic activities. Its actions are related to development of thrombosis and ischemic stroke. The protein C pathway of the coagulation of the blood involves the influences of lipids and lipoproteins and the study of the strong epidemiologic association between hyperlipidemia and hypercoagulability. See: detailed diagram of Blood Coagulation and Protein C Pathways ([From the Wikipedia article Protein C.](#))

### Recent Publications on Protein C:



- [Study of protein C, protein S, and antithrombin III in newborns with sepsis.](#)  
*OBJECTIVE:: The aim of this study is to clarify the effect of sepsis on...* 20th November, 2009  
From Department of Paediatrics (AEB, HAH), Faculty of Medicine, Cairo- *Pediatr Crit Care Med.* 2009 Nov 17. ([DOI Direct Link](#))
- [CCR7 Modulates Pulmonary and Lymph Node Inflammatory Responses in Cigarette Smoke-Exposed Mice.](#)  
*Peribronchial lymphoid follicles have recently been identified as one of...* 20th November, 2009  
\*Department of Respiratory Medicine, Laboratory for Translational Research- *J Immunol.* 2009 Nov 18. ([DOI Direct Link](#))
- [Protein C deficiency in Thai children with thromboembolism: A report of clinical presentations and mutation analysis.](#)  
*Peribronchial lymphoid follicles have recently been identified as one of...* 20th November, 2009  
Departments of Pediatrics, Ramathibodi Hospital, Mahidol University,- *Thromb Res.* 2009 Nov 16. ([DOI Direct Link](#))
- [Dihydro-N-caffeoyltyramine down-regulates cyclooxygenase-2 expression by inhibiting the activities of C/EBP and AP-1 transcription factors.](#)  
*Dihydro-N-caffeoyltyramine (DHCT), a novel phenolic amide isolated from...* 20th November, 2009  
College of Pharmacy, Chungnam National University, Daejeon, South Korea;- *Food Chem Toxicol.* 2009 Nov 13. ([DOI Direct Link](#))
- [Bortezomib restores stroma-mediated APO2L/TRAIL apoptosis resistance in multiple myeloma.](#)  
*ABSTRACT Objectives Hematopoietic stroma promotes resistance to immune...* 20th November, 2009  
Department of Blood and Marrow Transplantation, H. Lee Moffitt Cancer- *Eur J Haematol.* 2009 Nov 17. ([DOI Direct Link](#))
- [\[Cerebral venous thrombosis: when etiology makes the difference.\]](#)

- Objectives. To make a retrospective study of the clinical, etiological,...* 19th November, 2009  
- Neurologia. 2009 Sep;24(7):439-445.
- [Prothrombin Gene G20210A Mutation in Acute Deep Venous Thrombosis Patients with Poor Response to Warfarin Therapy.](#)  
*AIM: The pathogenesis of deep venous thrombosis (DVT) involves an...* 19th November, 2009  
Department of Clinical Pathology, Faculty of Medicine, Suez Canal- Open Cardiovasc Med J. 2009 Oct 21;3:147-151. ([DOI Direct Link](#))
  - [Assessment of specific risks for the recurrence of deep vein thrombosis: a case report.](#)  
*INTRODUCTION: Venous thromboembolism is a multifactorial disease defined...* 18th November, 2009  
Department of Medicine, Division of Thrombosis, College of Human Medicine,- Cases J. 2009 Aug 24;2:7024. ([DOI Direct Link](#))
  - [Living donor liver transplantation: usefulness of hemostatic and prothrombotic screening in potential donors.](#)  
*Bleeding and thrombosis are serious complications of living donor liver...* 18th November, 2009  
Department of Hematology Hospital 12 de Octubre, Madrid, Spain.- Transplant Proc. 2009 Nov;41(9):3791-5. ([DOI Direct Link](#))
  - [Prognostic values of lesion volume and biochemical markers in ischemic and hemorrhagic stroke: a stereological and clinical study.](#)  
*PURPOSE: Our aim was to evaluate the relationship between lesion volume,...* 18th November, 2009  
Department of Neurology, Medical School of Ataturk University, Erzurum,- Int J Neurosci. 2009;119(12):2206-18.
  - [Plasma protein C is a useful clinical marker for hepatic veno-occlusive disease \(VOD\) in stem cell transplantation.](#)  
*BACKGROUND: Hepatic veno-occlusive disease (VOD) is one of the most...* 17th November, 2009  
Department of Pediatrics, Hokkaido University Graduate School of Medicine,- Pediatr Blood Cancer. 2009 Nov 12. ([DOI Direct Link](#))
  - [Two novel mutations in surfactant protein-C, lung function and obstructive lung disease.](#)  
*Dominant mutations in the surfactant protein-C(SFTPC) gene have been...* 17th November, 2009  
Department of Clinical Biochemistry, Herlev Hospital, Copenhagen- Respir Med. 2009 Nov 10. ([DOI Direct Link](#))
  - [Effects on coagulation factor production following primary hepatomitogen-induced direct hyperplasia.](#)  
*AIM: To investigate the molecular mechanisms involved in coagulation...* 13th November, 2009  
Institute of Advanced Biomedical Engineering and Science, Tokyo Women's- World J Gastroenterol. 2009 Nov 14;15(42):5307-15.
  - [\[Inherited thrombophilia\]](#)  
*The paradigm of inherited thrombophilia as a cause of unprovoked venous...* 1st August, 2009  
Istituto di Ematologia, Universita' Cattolica, Largo Gemelli, 8 00168- G Ital Nefrol. 2009 Jul-Aug;26 Suppl 46:14-9.

## BioNews Results for Protein C

- [Beyond Genomics, Biologists And Engineers Decode The Next Frontier](#)  
*Medical News Today: Nov 21 2009 9:06AM Matching: protein c*
- [Origin of life: Generating RNA molecules in water](#)  
*Science Daily: Nov 21 2009 12:06AM Matching: protein c*
- [Acute treatment with diphenyl diselenide inhibits glutamate uptake into rat hippocampal slices and modifies glutamate transporters, SNAP-25 and GFAP immuncontent](#)  
*Toxicological Sciences: Nov 20 2009 3:54AM Matching: protein c*
- [Just Like Old Times: Generating RNA Molecules In Water](#)  
*Red Orbit: Nov 20 2009 11:04PM Matching: protein c*

- [Just like old times: Generating RNA molecules in water](#)  
*Genetic Engineering News: Nov 20 2009 5:48PM Matching: protein c*
- [Just like old times: Generating RNA molecules in water](#)  
*Research & Development: Nov 20 2009 5:37PM Matching: protein c*
- [Just like old times: Generating RNA molecules in water](#)  
*EurekAlert!: Nov 20 2009 5:25PM Matching: protein c*
- [Campylobacter: Research from University of Leicester, Department of Genetics has provided new data on campylobacter](#)  
*NewsRX: Nov 20 2009 2:14PM Matching: protein c*
- [Lp-PLA 2 could predict vascular events in elderly](#)  
*MedWire News: Nov 20 2009 8:13PM Matching: protein c*
- [Formatech to Donate Services to Manufacture KAI PharmaceuticalsEUR Clinical Candidate Under Its EURFillant](#)  
*PharmiWeb: Nov 19 2009 1:43AM Matching: protein c*
- [Formatech Donates Manufacturing Services To KAI Pharma](#)  
*Contract Pharma: Nov 19 2009 1:24AM Matching: protein c*
- [Merck reports encouraging results from Phase IIb hypercholesterolemia trial](#)  
*TradingMarkets: Nov 19 2009 3:57PM Matching: protein c*
- [Medical News: Crestor Reduced Risk Of Cardiovascular Events In Women By Nearly Half In New Analysis Of Jupiter Study](#)  
*BioFind: Nov 19 2009 3:45PM Matching: protein c*
- [Beyond genomics, biologists and engineers decode the next frontier](#)  
*EurekAlert!: Nov 19 2009 3:21PM Matching: protein c*
- [An often overlooked protein actually a potent regulator of cardiac hypertrophy](#)  
*Science Daily: Nov 19 2009 3:08AM Matching: protein c*

## Protein C Patents:



- 7608416- [Targeting mPGES-1 as a treatment for inflammation which avoids cardiovascular risk](#)
- 7611704- [Compositions and methods for treating viral infections using antibodies and immunoconjugates to aminophospholipids](#)
- 7611735- [Canola protein isolate](#)
- 7611834- [Methods and devices for protein assays](#)
- 7611839- [Methods for diagnosing RCC and other solid tumors](#)
- 7611874- [PUFA polyketide synthase systems and uses thereof](#)
- 7611879- [27877, 18080, 14081, 32140, 50352, 16658, 14223, 16002, 50566, 65552 and 65577 molecules and uses therefor](#)
- 7612019- [Polypeptide display libraries and methods of making and using thereof](#)
- 7612075- [Substituted oxoazaheterocyclyl compounds](#)
- 7612169- [Osteoprotegerin variant proteins](#)
- 7612177- [Protein for use in modifying abiotic stress tolerance in yeast](#)
- 7608757- [Signal transduction stress-related proteins and methods of use in plants](#)
- 7608753- [PUFA polyketide synthase systems and uses thereof](#)
- 7608700- [Lactobacillus acidophilus nucleic acid sequences encoding stress-related proteins and uses](#)

[therefor](#)

- 7608429- [Methods and compositions for increasing antibody production](#)
- 7608430- [Interferon-.gamma. antagonists and therapeutic uses thereof](#)
- 7608431- [Fed-batch process for production of erythropoietin in human embryonic retina cells that express adenovirus E1A](#)
- 7608451- [Gene regulation in transgenic animals using a transposon-based vector](#)
- 7608586- [Soluble low-density lipoprotein receptor related protein binds directly to Alzheimer's amyloid-beta peptide](#)
- 7608597- [Methods and compositions for treating hepatitis C virus](#)
- 7608599- [Antiviral phosphoramidates](#)
- 7608600- [Modified 2' and 3'-nucleoside prodrugs for treating Flaviviridae infections](#)
- 7608681- [Methods and compositions for prolonging elimination half-times of bioactive compounds](#)
- 7608699- [Synthetic nuclear localization signal derived from lentiviral integrase and methods of use thereof](#)
- 7612186- [Compositions and methods for producing recombinant proteins](#)
- 7612188- [Modified vitamin K. dependent polypeptides](#)
- 7618657- [Active ingredients preparation and single compound purification from traditional Chinese herbal medicine Fructus Trichosanthis and uses thereof](#)
- 7618776- [Rolling circle replication reporter systems](#)
- 7618782- [Methods of diagnosing muscle damage](#)
- 7618796- [Peptide-forming enzyme gene, peptide-forming enzyme, and peptide producing method](#)
- 7618799- [Bacterial leader sequences for increased expression](#)
- 7618802- [Compositions of coronaviruses with a recombination-resistant genome](#)
- 7619062- [PRO214 polypeptides](#)
- 7619065- [Cystine-knot fold protein](#)
- 7619094- [Ketoamides with cyclic P4's as inhibitors of NS3 serine protease of hepatitis C virus](#)
- 7619137- [Transcription factor stress-related proteins and methods of use in plants](#)
- 7615622- [Methods and compositions for reducing heparan sulfate proteoglycan-mediated clearance of factor VIII](#)
- 7615567- [Compounds and methods for promoting smoking cessation](#)
- 7615554- [Erastin and erastin binding proteins, and uses thereof](#)
- 7612192- [Neisseria genomic sequences and methods of their use](#)
- 7612250- [Nuclear transfer embryo formation method](#)
- 7615007- [Analyte sensor](#)
- 7615217- [Artificial proteins with reduced immunogenicity](#)
- 7615223- [Selected immunoconjugates for binding to aminophospholipids](#)
- 7615229- [Mutants of the P4 protein of nontypable Haemophilus influenzae with reduced enzymatic activity](#)
- 7615341- [Disease susceptibility gene for rheumatoid arthritis, protein thereof, evaluation method and evaluation kit for evaluating onset possibility of rheumatoid arthritis by using those, and remedy and curing medicine for rheumatoid arthritis](#)
- 7615527- [Peptides which modulate blood coagulation and methods of use thereof](#)
- 7615537- [Methods for treating blood coagulation disorders](#)
- 7615549- [Substituted pyrrolidinones, their manufacture and their use as medicaments](#)
- 7619146- [Method for modifying plant morphology, biochemistry and physiology](#)

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