

Beta-Adrenergic Receptor Kinase

[View the current Beta-Adrenergic Receptor Kinase InDepth page on BioPortfolio.com \(PDF\)](#)

(http://www.bioportfolio.com/indepth/Beta-Adrenergic_Receptor_Kinase.html) - Regularly Updated.

Recent Publications on Beta-Adrenergic Receptor Kinase:



- [Right ventricular beneficial effects of beta adrenergic receptor kinase inhibitor \(betaARKct\) gene transfer in a rat model of severe pressure overload.](#)
*Heart failure is associated with abnormalities in betaAR cascade...*26th September, 2009
Department of Surgery, Temple University School of Medicine, Philadelphia,- Biomed Pharmacother. 2009 Jun;63(5):331-6. Epub 2008 Aug 28. ([DOI Direct Link](#))
- [Myocardial adeno-associated virus serotype 6-betaARKct gene therapy improves cardiac function and normalizes the neurohormonal axis in chronic heart failure.](#)
*BACKGROUND: The upregulation of G protein-coupled receptor kinase 2 in...*7th February, 2009
Center for Translational Medicine, Thomas Jefferson University,- Circulation. 2009 Jan 6;119(1):89-98. Epub 2008 Dec 22. ([DOI Direct Link](#))
- [Myocardial gene expression of matched hibernating and control tissue from patients with ischemic left ventricular dysfunction.](#)
*Limited data are available in humans regarding the molecular biology of...*16th January, 2009
Medizinische Klinik und Deutsches Herzzentrum, Technischen Universitat- Heart Vessels. 2008 Jul;23(4):230-42. Epub 2008 Jul 23. ([DOI Direct Link](#))
- [Adenoviral beta-adrenergic receptor kinase inhibitor gene transfer improves exercise capacity, cardiac contractility, and systemic inflammation in a model of pressure overload hypertrophy.](#)
*OBJECTIVE: We hypothesized that intracoronary adenoviral-mediated delivery...*13th January, 2009
Department of Cardiac Surgery, New York University, New York, NY, USA.- Cardiovasc Drugs Ther. 2008 Oct;22(5):373-81. Epub 2008 Aug 9. ([DOI Direct Link](#))
- [Cardioprotective effect of histamine H3-receptor activation: pivotal role of G beta gamma-dependent inhibition of voltage-operated Ca²⁺ channels.](#)
*We previously showed that activation of G(i/o)-coupled histamine...*30th September, 2008
Department of Pharmacology, Weill Cornell Medical College, 1300 York- J Pharmacol Exp Ther. 2008 Sep;326(3):871-8. Epub 2008 Jun 3. ([DOI Direct Link](#))
- [Identification of Nogo as a novel indicator of heart failure.](#)
*Numerous genetically engineered animal models of heart failure (HF)...*17th June, 2008
Cardiovascular Research Institute, Division of Cardiology, Department of- Physiol Genomics. 2008 Jan 17;32(2):182-9. Epub 2007 Oct 30. ([DOI Direct Link](#))
- [Endothelial beta2 adrenergic signaling to AKT: role of Gi and SRC.](#)
*We have recently demonstrated that endothelial beta(2) adrenergic...*5th October, 2007
Department of Clinical Medicine, Cardiovascular and Immunological- Cell Signal. 2007 Sep;19(9):1949-55. Epub 2007 May 29. ([DOI Direct Link](#))

- [Direct Interactions with G alpha i and G betagamma mediate nongenomic signaling by estrogen receptor alpha.](#)
*Estrogen induces G protein-dependent nongenomic signaling in a variety of...*26th July, 2007
Department of Pediatrics, University of Texas Southwestern Medical Center,- *Mol Endocrinol.* 2007 Jun;21(6):1370-80. Epub 2007 Apr 3. ([DOI Direct Link](#))
- [Genetic linkage to chromosome 22q12 for a heavy-smoking quantitative trait in two independent samples.](#)
*We conducted a genomewide linkage screen of a simple heavy-smoking...*15th June, 2007
Department of Psychiatry, Washington University School of Medicine, St.- *Am J Hum Genet.* 2007 May;80(5):856-66. Epub 2007 Mar 26. ([DOI Direct Link](#))
- [Activation of serum response element by D2 dopamine receptor is governed by Gbetagamma-mediated MAPK and Rho pathways and regulated by RGS proteins.](#)
*In this study, we investigated the activation of the serum response...*31st May, 2007
Wyeth Neuroscience Research, Wyeth Research, Princeton, N.J., USA.- *Pharmacology.* 2007;79(2):114-21. Epub 2006 Dec 18. ([DOI Direct Link](#))
- [The strong induction of metallothionein gene following cadmium exposure transiently affects the expression of many genes in Eisenia fetida: a trade-off mechanism?](#)
*Metal pollution causes disturbances at various levels of biological...*26th May, 2007
Laboratoire d'Ecologie Numerique et d'Ecotoxicologie, EA 3570, Universite- *Comp Biochem Physiol C Toxicol Pharmacol.* 2007 Jan;144(4):334-41. Epub ([DOI Direct Link](#))
- [Role of internalization of M2 muscarinic receptor via clathrin-coated vesicles in desensitization of the muscarinic K+ current in heart.](#)
*In the heart, ACh activates the ACh-activated K(+) current (I(K,ACh)) via...*24th May, 2007
Cardiovascular Research Group, School of Medicine, University of- *Am J Physiol Heart Circ Physiol.* 2007 Apr;292(4):H1737-46. Epub 2006 Sep ([DOI Direct Link](#))
- [Expression analysis of imbalanced genes in prostate carcinoma using tissue microarrays.](#)
*To identify candidate genes relevant for prostate tumour prognosis and...*23rd February, 2007
Division of Molecular Genetics, German Cancer Research Center, Heidelberg,- *Br J Cancer.* 2007 Jan 15;96(1):82-8. Epub 2006 Dec 5. ([DOI Direct Link](#))
- [Protein kinase A-mediated phosphorylation contributes to enhanced contraction observed in mice that overexpress beta-adrenergic receptor kinase-1.](#)
*Transgenic mice with cardiac specific overexpression of beta-adrenergic...*11th January, 2007
Department of Pharmacology, Dalhousie University, Halifax, Nova Scotia,- *J Pharmacol Exp Ther.* 2006 Dec;319(3):1307-16. Epub 2006 Sep 1. ([DOI Direct Link](#))
- [Overexpression of GRK2 in Alzheimer disease and in a chronic hypoperfusion rat model is an early marker of brain mitochondrial lesions.](#)
*Heterotrimeric guanine nucleotide-binding (G) protein-coupled receptor...*1st November, 2006
Department of Pathology, School of Medicine, Case Western Reserve- *Neurotox Res.* 2006 Aug;10(1):43-56.

Beta-Adrenergic Receptor Kinase Patents:



- 6671558- [Method and system for myocardial infarction repair](#)
- 6936417- [Gene expression in bladder tumors](#)

- 6951717- [Methods and compositions for inhibition of membrane fusion-associated events, including HIV transmission](#)
- 7001753- [59079 and 12599, protein kinase family members and uses therefor](#)
- 7029862- [Method for identifying ligands, inhibitors or promoters of CXC chemokine receptor 3](#)
- 7031775- [Method and system for myocardial infarction repair](#)
- 7037891- [Methods of modulating G-protein-coupled receptor kinase-associated signal transduction](#)
- 7060871- [Use of exogenous .beta.-adrenergic receptor and .beta.-adrenergic receptor kinase gene constructs to enhance myocardial function](#)
- 7081444- [.PSI..epsilon.RACK peptide composition and method for protection against tissue damage due to ischemia](#)
- 7109000- [Proteins and nucleic acids encoding same](#)
- 7122190- [Fusion proteins comprising DP-178 and other viral fusion inhibitor peptides useful for treating aids](#)
- 6916915- [Stressor regulated genes](#)
- 6855693- [Peptides for activation and inhibition of .delta.PKC](#)
- 6833439- [IP-10/MIG receptor designated CXCR3, nucleic acids and methods of use therefor](#)
- 6673039- [Compositions, kits, methods, and apparatus for transvascular delivery of a composition to an extravascular tissue of a mammal](#)
- 6673908- [Tumor necrosis factor receptor 2](#)
- 6683057- [Method of inhibiting smooth muscle cell proliferation](#)
- 6686175- [IP-10/MIG receptor designated CXCR3, nucleic acids, and methods of use therefor](#)
- 6752987- [Adenovirus encoding human adenylylcyclase \(AC\) VI](#)
- 6770449- [Methods of assaying receptor activity and constructs useful in such methods](#)
- 6770461- [High bone mass gene of 11q13.3](#)
- 6775574- [Method and system for myocardial infarction repair](#)
- 6780609- [High bone mass gene of 1.1q13.3](#)
- 6824783- [Methods for inhibition of membrane fusion-associated events, including HIV transmission](#)
- 7135550- [Three hybrid assay system](#)
- 7138240- [Methods of assaying receptor activity](#)
- 7399750- [Methods for cardiac gene transfer](#)
- 7416849- [HBM variants that modulate bone mass and lipid levels](#)
- 7449292- [Methods for predicting relative efficacy of a beta blocker therapy based on a B1-adrenergic receptor polymorphism](#)
- 7488576- [Methods for diagnosis and treatment of psychiatric disorders](#)
- 7488583- [Fragment complementation assays for G-protein-coupled receptors and their signaling pathways](#)
- 7514397- [Methods for inhibition of membrane-fusion-associated events, including Hepatitis B virus transmission](#)
- 7514594- [Transgenic animal model of bone mass modulation](#)
- 7541151- [Single-cell biosensor for the measurement of GPCR ligands in a test sample](#)
- 7544654- [.psi..epsilon.RACK peptide composition and method for protection against tissue damage due to ischemia](#)
- 7548780- [Cell therapy and neural stimulation for cardiac repair](#)
- 7365178- [Acyl-nucleotide probes and methods of their synthesis and use in proteomic analysis](#)
- 7348305- [Inhibitor of cardiac tachyarrhythmias](#)
- 7332292- [Constitutively translocating cell line](#)
- 7155288- [Method and system for myocardial infarction repair](#)
- 7198776- [Metal complex compounds](#)
- 7230101- [Synthesis of methotrexate-containing heterodimeric molecules](#)
- 7235236- [Polynucleotide encoding human adenylylcyclase VI and uses thereof for enhancing cardiac function](#)
- 7250496- [Bioinformatically detectable group of novel regulatory genes and uses thereof](#)
- 7252953- [Method of detecting and preventing Alzheimer's disease, particularly at prodromal and early](#)

stages

- 7273614- [Nucleic acids encoding DP-178 and other viral fusion inhibitor peptides useful for treating aids](#)
- 7279286- [High-throughput-assay with high sensitivity for measuring of the activity of .beta.-adrenergic receptor kinase and for determining the impact of test substances on such activity](#)
- 7291604- [Methods of treating restenosis](#)
- 7314620- [Methods for diagnosis and treatment of PH domain signal transduction disorders](#)
- 7572888- [Methods of assaying receptor activity and constructs useful in such methods](#)

Resources from the [NCBI](#) used in this document, [NCBI's standard disclaimer applies](#).

Nothing in this document should be used in place of personal medical advice from your own qualified medical practitioner. See BioPortfolio.com [User Agreement](#)

Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

All rights reserved. All other trademarks recognized.

BioPortfolio Limited is registered in England & Wales at Stafford House, 10 Prince of Wales Road, Dorchester, Dorset, DT1 1PW, UK. No.3312883 VAT No. GB 744 6483 10

Copyright 1997-2009 - BioPortfolio Limited.

