

G-Protein-Coupled Receptor Kinases

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Recent Publications on G-Protein-Coupled Receptor Kinases:



- [Different kinases desensitize the human delta-opioid receptor \(hDOP-R\) in the neuroblastoma cell line SK-N-BE upon peptidic and alkaloid agonists.](#)
*In a previous work, we described a differential desensitization of the...*30th September, 2008
Universite de Caen, Laboratoire de biologie moleculaire et cellulaire de- Cell Signal. 2008 Jun;20(6):1209-20. Epub 2008 Feb 19. ([DOI Direct Link](#))
- [Phosphorylation of GRK7 by PKA in cone photoreceptor cells is regulated by light.](#)
*The retina specific G protein-coupled receptor kinases, GRK1 and GRK7,...*23rd September, 2008
Department of Cell and Developmental Biology, The University of North- J Neurochem. 2008 Sep 18. ([DOI Direct Link](#))
- [Dual role of the beta 2-adrenergic receptor C-terminus for the binding of beta -arrestin and receptor internalization.](#)
*Homologous desensitization of beta(2)-adrenergic and other G...*20th September, 2008
School of Pharmacy, University of Reading, Reading, Berkshire RG6 6AJ.- J Biol Chem. 2008 Sep 18. ([DOI Direct Link](#))
- [Selective regulation of H1 histamine receptor signaling by G protein-coupled receptor kinase 2 in uterine smooth muscle cells.](#)
*Histamine stimulates uterine contraction; however, little is known...*11th September, 2008
Reproductive Sciences Section, Department of Cancer Studies and Molecular- Mol Endocrinol. 2008 Aug;22(8):1893-907. Epub 2008 May 29. ([DOI Direct Link](#))
- [Expression of G protein-coupled receptor kinase 4 is associated with breast cancer tumorigenesis.](#)
*G-protein-coupled receptor kinases (GRKs) comprise a family of seven...*4th September, 2008
Department of Diagnostic Pathology, Tokyo Medical University, Tokyo,- J Pathol. 2008 Jul 29. ([DOI Direct Link](#))
- [GPCR signalling in hypertension: role of GRKs.](#)
*Hypertension is a prevalent condition in the developed world and disease...*12th August, 2008
Eugene Feiner Laboratory for Vascular Biology and Thrombosis, Center for- Clin Sci (Lond). 2008 Aug;115(3):79-89. ([DOI Direct Link](#))
- [G protein-coupled receptor kinase 6 controls post-inflammatory visceral hyperalgesia.](#)
*Post-inflammatory pain is a poorly understood phenomenon. G...*9th August, 2008
Laboratory of Psychoneuroimmunology, University Medical Center Utrecht,- Brain Behav Immun. 2008 Jul 22. ([DOI Direct Link](#))
- [GRK2-dependent desensitization downstream of G proteins.](#)
*G protein-coupled receptor kinases (GRKs) are serine/threonine kinases...*2nd August, 2008

Departamento de Biología Molecular and Centro de Biología Molecular- J Recept Signal Transduct Res. 2008;28(1-2):59-70. ([DOI Direct Link](#))

- [A GRK5 polymorphism that inhibits beta-adrenergic receptor signaling is protective in heart failure.](#)
Beta-adrenergic receptor (betaAR) blockade is a standard therapy for... 18th July, 2008
Department of Internal Medicine, University of Cincinnati, 231 Albert- Nat Med. 2008 May;14(5):510-7. Epub 2008 Apr 20. ([DOI Direct Link](#))
- [Modulation of the neuronal response to ischaemia by somatostatin analogues in wild-type and knock-out mouse retinas.](#)
Somatostatin acts at five G protein-coupled receptors, sst(1)-sst(5). In... 16th July, 2008
Department of Environmental Sciences, University of Tuscia, Largo- J Neurochem. 2008 Sep;106(5):2224-35. Epub 2008 Jul 9. ([DOI Direct Link](#))
- [A polymorphism of G-protein coupled receptor kinase5 alters agonist-promoted desensitization of beta2-adrenergic receptors.](#)
Beta-agonist treatment of asthma displays substantial interindividual... 16th July, 2008
Cardiopulmonary Genomics Program, Department of Medicine, University of- Pharmacogenet Genomics. 2008 Aug;18(8):729-32. ([DOI Direct Link](#))
- [Phosphorylation of group I metabotropic glutamate receptors \(mGluR1/5\) in vitro and in vivo.](#)
Group I metabotropic glutamate receptors (mGluR1 and mGluR5 subtypes) are... 1st July, 2008
Department of Basic Medical Science, School of Medicine, University of- Neuropharmacology. 2008 Sep;55(4):403-8. Epub 2008 Jun 10. ([DOI Direct Link](#))
- [Eliminating phosphorylation sites of the parathyroid hormone receptor type 1 differentially affects stimulation of phospholipase C and receptor internalization.](#)
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Massachusetts General Hospital/Harvard Medical School, Boston, MA 02114,- Am J Physiol Endocrinol Metab. 2008 Sep;295(3):E665-71. Epub 2008 Jun 24. ([DOI Direct Link](#))
- [C. elegans model identifies genetic modifiers of alpha-synuclein inclusion formation during aging.](#)
Inclusions in the brain containing alpha-synuclein are the pathological... 13th June, 2008
Department of Genetics, University Medical Centre Groningen and University- PLoS Genet. 2008 Mar 21;4(3):e1000027. ([DOI Direct Link](#))
- [Pharmacogenomics of G protein-coupled receptor signaling: insights from health and disease.](#)
The identification and characterization of the processes of G... 16th May, 2008
Department of Laboratory Medicine and Pathobiology, Banting Institute,- Methods Mol Biol. 2008;448:77-107. ([DOI Direct Link](#))

G-Protein-Coupled Receptor Kinases Clinical Trials:



- [Measuring G Protein-Coupled Receptor Kinase-2 \(GRK2\) in the Blood to Diagnose and Treat Patients With Heart Failure](#)
Heart Failure



G-Protein-Coupled Receptor Kinases Patents:

- 7384755- [Cell-based assay for G-protein-coupled receptor-mediated activity employing a mutated cyclic nucleotide-gated ion channel and a membrane potential dye](#)
- 6953673- [Histamine H2 receptor and uses](#)
- 6893827- [Receptor function assay for G-protein coupled receptors and orphan receptors by reporter enzyme mutant complementation](#)
- 6833439- [IP-10/MIG receptor designated CXCR3, nucleic acids and methods of use therefor](#)
- 6833436- [Short peptides which selectively modulate the activity of serine/threonine kinases](#)
- 6800445- [Systems for sensitive detection of G-protein coupled receptor and orphan receptor function using reporter enzyme mutant complementation](#)
- 6770449- [Methods of assaying receptor activity and constructs useful in such methods](#)
- 6686175- [IP-10/MIG receptor designated CXCR3, nucleic acids, and methods of use therefor](#)
- 6174993- [Short peptides which selectively modulate the activity of serine/threonine kinases](#)
- 6140064- [Method of detecting or identifying ligands, inhibitors or promoters of CXC chemokine receptor 3](#)
- 5932432- [Expression library screen by prenylation of expressed proteins](#)
- 5912171- [Amino acid transporters and uses](#)
- 5891646- [Methods of assaying receptor activity and constructs useful in such methods](#)
- 5840516- [Amino acid transporters and uses](#)
- 5591618- [G protein-coupled receptor kinase GRK6](#)
- 5532151- [G protein-coupled receptor kinase GRK6](#)
- 6979548- [Chemokine receptor obtained from a CDNA library of fetal liver-spleen](#)
- 7001731- [Chemokine receptor obtained from a cDNA library of fetal liver-spleen](#)
- 7018812- [Modified G-protein coupled receptors](#)
- 7348305- [Inhibitor of cardiac tachyarrhythmias](#)
- 7332292- [Constitutively translocating cell line](#)
- 7279324- [Nucleic acid encoding G-protein coupled receptor with modified DRY motif](#)
- 7238213- [Cell-based assays employing voltage and calcium dyes](#)
- 7235374- [Systems for sensitive detection of G-protein coupled receptor and orphan receptor function using reporter enzyme mutant complementation](#)
- 7235236- [Polynucleotide encoding human adenylylcyclase VI and uses thereof for enhancing cardiac function](#)
- 7214496- [Modified G-protein coupled receptors](#)
- 7176283- [Protease-activated receptor 3 and uses thereof](#)
- 7163800- [Methods of screening compositions for G protein-coupled receptor desensitization inhibitory activity](#)
- 7138240- [Methods of assaying receptor activity](#)
- 7115377- [Cell-based assays for G-protein-coupled receptor-mediated activities](#)
- 7109000- [Proteins and nucleic acids encoding same](#)
- 7037891- [Methods of modulating G-protein-coupled receptor kinase-associated signal transduction](#)
- 7029905- [Method for the cellular high-throughput-detection of receptor ligand interactions](#)
- 7029862- [Method for identifying ligands, inhibitors or promoters of CXC chemokine receptor 3](#)
- 5366889- [DNA encoding a protein-coupled receptor kinase](#)

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