

## G-Protein-Coupled Receptor Kinase 2

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### Recent Publications on G-Protein-Coupled Receptor Kinase 2:



- [Inhibition of Vascular Smooth Muscle G Protein-coupled Receptor Kinase 2 Enhances  \$\alpha\$ 1DAR Constriction.](#)  
*G protein-coupled receptor (GPCR) kinase 2 (GRK2) is a serine/threonine...*30th August, 2008  
Thomas Jefferson University.- *Am J Physiol Heart Circ Physiol.* 2008 Aug 22. ([DOI Direct Link](#))
- [Spike amplitude of single-unit responses in antennal sensillae is controlled by the \*Drosophila\* circadian clock.](#)  
*Circadian changes in membrane potential and spontaneous firing frequency...*30th August, 2008  
Department of Biology, Texas A&M University, College Station, Texas- *Curr Biol.* 2008 Jun 3;18(11):803-7. Epub 2008 May 22. ([DOI Direct Link](#))
- [G protein-coupled receptor kinase 2 is required for rhythmic olfactory responses in \*Drosophila\*.](#)  
*BACKGROUND: The *Drosophila* circadian clock controls rhythms in the...*30th August, 2008  
Department of Biology, Texas A&M University, College Station, Texas- *Curr Biol.* 2008 Jun 3;18(11):787-94. Epub 2008 May 22. ([DOI Direct Link](#))
- [M3 muscarinic acetylcholine receptor-mediated signaling is regulated by distinct mechanisms.](#)  
*We have used RNA interference previously to demonstrate that G...*23rd August, 2008  
Department of Biochemistry and Molecular Biology, Thomas Jefferson- *Mol Pharmacol.* 2008 Aug;74(2):338-47. Epub 2008 Apr 3. ([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](#))
- [Gene therapy in heart failure.](#)  
*With increasing knowledge of basic molecular mechanisms governing the...*1st August, 2008  
Center for Translational Medicine, George Zallie and Family Laboratory for- *Circ Res.* 2008 Jun 20;102(12):1458-70. ([DOI Direct Link](#))
- [G protein-coupled receptor kinase 2 ablation in cardiac myocytes before or after myocardial infarction prevents heart failure.](#)  
*Myocardial G protein-coupled receptor kinase (GRK)2 is a critical...*19th July, 2008  
Center for Translational Medicine, Department of Medicine, Thomas- *Circ Res.* 2008 Aug 15;103(4):413-22. Epub 2008 Jul 17. ([DOI Direct Link](#))
- [G protein-coupled receptor kinase 2 \(GRK2\) in migration and inflammation.](#)  
*G protein-coupled receptor kinase 2 (GRK2) is a key modulator of G...*12th July, 2008  
Departamento de Biología Molecular and Centro de Biología Molecular Severo- *Arch Physiol Biochem.*

2008 Jul;114(3):195-200. ([DOI Direct Link](#))

- [Minocycline provides protection against beta-amyloid\(25-35\)-induced alterations of the somatostatin signaling pathway in the rat temporal cortex.](#)  
*Minocycline is a semi-synthetic second-generation tetracycline known to...*17th June, 2008  
Departamento de Endocrinologia, Hospital Infantil Universitario Nino- Neuroscience. 2008 Jul 17;154(4):1458-66. Epub 2008 Apr 29. ([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...*31st May, 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](#))
- [G protein-coupled receptor kinase 2 positively regulates epithelial cell migration.](#)  
*Cell migration requires integration of signals arising from both the...*20th May, 2008  
Departamento de Biologia Molecular and Centro de Biologia Molecular Severo- EMBO J. 2008 Apr 23;27(8):1206-18. Epub 2008 Mar 27. ([DOI Direct Link](#))
- [Immunohistochemical detection, regulation and antiproliferative function of G-protein-coupled receptor kinase 2 in thyroid carcinomas.](#)  
*TSH, via its G-protein-coupled receptor, activates cell growth of both...*3rd May, 2008  
Biophysics Laboratory, CHU de Poitiers, BP 577, 86021 Poitiers Cedex,- J Endocrinol. 2008 Jul;198(1):101-10. Epub 2008 May 1. ([DOI Direct Link](#))
- [Acute beta-blockade prevents myocardial beta-adrenergic receptor desensitization and preserves early ventricular function after brain death.](#)  
*OBJECTIVE: Beta-adrenergic receptor desensitization through activation of...*30th April, 2008  
Department of Surgery, Section of Cardiothoracic Surgery, University of- J Thorac Cardiovasc Surg. 2008 Apr;135(4):792-8. ([DOI Direct Link](#))
- [Low endogenous G-protein-coupled receptor kinase 2 sensitizes the immature brain to hypoxia-ischemia-induced gray and white matter damage.](#)  
*Hypoxic-ischemic brain injury is regulated in part by neurotransmitter and...*29th April, 2008  
Laboratory of Psychoneuroimmunology, University Medical Center Utrecht,- J Neurosci. 2008 Mar 26;28(13):3324-32. ([DOI Direct Link](#))
- [Post-endocytic fates of delta-opioid receptor are regulated by GRK2-mediated receptor phosphorylation and distinct beta-arrestin isoforms.](#)  
*Once internalized, some G protein-coupled receptors (GPCRs) can recycle...*19th April, 2008  
Pharmacology Research Center and National Laboratory of Medical- J Neurochem. 2008 Jul;106(2):781-92. Epub 2008 Apr 17. ([DOI Direct Link](#))

## G-Protein-Coupled Receptor Kinase 2 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 Kinase 2 Patents:

- 7407763- [Systems and methods for detecting and regulating metastasis](#)
- 7348305- [Inhibitor of cardiac tachyarrhythmias](#)
- 7241812- [Methods and compositions for modulating sphingosine-1-phosphate \(S1P\) receptor activity](#)
- 7214496- [Modified G-protein coupled receptors](#)
- 6579709- [Isolated human kinase proteins, nucleic acid molecules encoding human kinase proteins, and uses thereof](#)

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