



## Recent patents in gene expression

Patent #	Subject	Assignee	Author	Priority application date	Publication date
WO 200127275	Novel G-protein coupled receptor polynucleotides used to produce recombinant receptor polypeptides; for use in screening assays for modulators of gene expression or protein activity.	Lexicon Genetics (The Woodlands, TX)	Donoho G, Hilbun E, Nehls M, Sands AT, Turner CA, Wattler F, Zambrowicz B	10/13/1999	4/19/2001
WO 200127329	Detection of gene expression and analysis of both known and unknown genes by obtaining a DNA comprising an anchorable moiety, cleaving the DNA with two restriction endonucleases, ligating two linker molecules to the cleaved DNA, and amplifying the ligated DNA.	Univ. Texas System (Austin, TX)	Aldaz CM, Gaddis SS, Macleod MC	10/8/1999	4/19/2001
US 6218142	New nucleic acid molecules encoding polypeptides with RNA-directed RNA polymerase enzymatic activity; useful in modulating gene expression in plants, humans, and animals, as well as in plant cell/tissue cultures or plant breeding.	Riedel L, Wassenegger M,	Riedel L, Sanger HL, Schiebel W, Wassenegger M	3/5/1997	4/17/2001
WO 200124821	A screening process for an agent that alters bone mineralization that comprises contacting a cell containing <i>NELL-1</i> gene with a test agent and detecting a change in <i>NELL-1</i> gene expression level; useful for facilitating bone calcification or repair.	Regents of the Univ. of California (Oakland, CA)	Ting K	10/5/1999	4/12/2001
WO 200123614	Computer-related determination of the relative level of a biological molecule, for example, nucleic acid, in experiments for analyzing gene expression data; comprises performing principal component analysis.	Affymetrix (Santa Clara, CA)	Ho M	5/31/2000	4/5/2001
EP 1089211	The display of gene expression patterns for the determination of the different roles of the genes; comprises the comparison and analysis of the expression of multiple genes at different time points.	Hitachi Software Eng. Co. Ltd. (Yokohama, Japan)	Nakashige R, Nozaki Y, Tamura T, Watanabe T	9/30/1999	4/4/2001
US 6211164	New antisense oligonucleotides used to inhibit gene expression of the human <i>Chk1</i> gene; particularly useful as therapeutic agents for enhancing the sensitivity of tumor cells to radiation or chemotherapy.	Abbott Laboratories (Abbott Park, IL)	Giranda VL, Luo Y, Rockow-Magnone SK	3/10/2000	4/3/2001
JP 2001083164	A rigid macroarray used as a support for fixing test samples containing biopolymers such as DNA; useful for gene expression analysis and basic sequence determination.	Fuji Photo Film Co. Ltd. (Tokyo)	—	9/17/1999	3/30/2001
WO 200120006	A polynucleotide with a target gene linked to a novel chemically inducible promoter; useful for controlling eukaryotic target gene expression and in gene therapy.	Zeneca (London)	Caddick MX, Croft K, Greenland AJ, Jepson I, Martinez A, Tomsett AB, Tregova A	9/15/1999	3/22/2001
WO 200120041	Quantitating gene expression by using genomic DNA as an internal amplification competitor and without nucleic acid amplification or primer binding, as expressed by the ratio of messenger RNA to genomic DNA; particularly useful for quantitating estrogen receptor expression.	Xtrana (Broomfield, CO)	Gerdes JC, Marmaro JM	9/17/1999	3/22/2001
NL 1012782	A new variant of the green fluorescent protein gene that has better solubility and/or a shifted excitation spectrum; useful for genetic or expression labeling.	Keygene NV (Wageningen, the Netherlands)	de Both MTJ, Frijters ACJ	8/5/1999	2/6/2001

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