

References for Products 12518 and 12519

1. Blevins JS, Revel AT, Smith AH, Bachlani GN, Norgard MV. (2007) Adaptation of a luciferase gene reporter and lac expression system to *Borrelia burgdorferi*. *Appl Environ Microbiol*, 73, 1501.
2. Iijima A, Hachisu R, Kobayashi H, Hashimoto K, Asano D, Kikuchi H. (2007) Establishment of evaluation method for siRNA delivery using stable cell line carrying the luciferase reporter gene. *Biol Pharm Bull*, 30, 1844.
3. Knostman KA, Venkateswaran A, Zimmerman B, Capen CC, Jhiang SM. (2007) Creation and Characterization of a Doxycycline-Inducible Mouse Model of Thyroid-Targeted RET/PTC1 Oncogene and Luciferase Reporter Gene Coexpression. *Thyroid*, 17, 1181.
4. Koo J, Kim Y, Kim J, Yeom M, Lee IC, Nam HG. (2007) A GUS/luciferase fusion reporter for plant gene trapping and for assay of promoter activity with luciferin-dependent control of the reporter protein stability. *Plant Cell Physiol*, 48, 1121.
5. Li X, Shen F, Zhang Y, Zhu J, Huang L, Shi Q. (2007) Functional characterization of cell lines for high-throughput screening of human neuromedin U receptor subtype 2 specific agonists using a luciferase reporter gene assay. *Eur J Pharm Biopharm*, 67, 284.
6. Li H, Li JZ, Helm GA, Pan D. (2007) Non-invasive imaging of firefly luciferase reporter gene expression using bioluminescence imaging in human prostate cancer models. *Biotechnol Appl Biochem*, 46, 179.
7. Mori T, Saito F, Yoshino T, Takeyama H, Matsunaga T. (2007) Reporter gene assay against lipophilic chemicals based on site-specific genomic recombination of a nuclear receptor gene, its response element, and a luciferase reporter gene within a stable HeLa cell line. *Biotechnol Bioeng*.
8. Niu G, Xiong Z, Cheng Z, Cai W, Gambhir SS, Xing L, Chen X. (2007) In vivo bioluminescence tumor imaging of RGD peptide-modified adenoviral vector encoding firefly luciferase reporter gene. *Mol Imaging Biol*, 9, 126.
9. Stanewsky R. (2007) Analysis of rhythmic gene expression in adult *Drosophila* using the firefly luciferase reporter gene. *Methods Mol Biol*, 362, 131.
10. Bron PA, Monk IR, Corr SC, Hill C, Gahan CG. (2006) Novel luciferase reporter system for in vitro and organ-specific monitoring of differential gene expression in *Listeria monocytogenes*. *Appl Environ Microbiol*, 72, 2876.
11. Ishikawa TO, Jain NK, Taketo MM, Herschman HR. (2006) Imaging cyclooxygenase-2 (Cox-2) gene expression in living animals with a luciferase knock-in reporter gene. *Mol Imaging Biol*, 8, 171.
12. Matsuo T, Onai K, Okamoto K, Minagawa J, Ishiura M. (2006) Real-time monitoring of chloroplast gene expression by a luciferase reporter: evidence for nuclear regulation of chloroplast circadian period. *Mol Cell Biol*, 26, 863.
13. Weiser J, Buriankova K, Kalachova L, Branny P, Pernodet JL. (2006) Construction and testing of a bacterial luciferase reporter gene system for in vivo measurement of nonsense suppression in *Streptomyces*. *Folia Microbiol (Praha)*, 51, 62.
14. Yao WJ, Diao ZY, Deng XZ, Kong J, Zhou ZA, Gao J, Zhang Y. (2006) [Study on relationship between HBV post-transcriptional regulatory element and response to IFN-alpha by using a reporter gene luciferase]. *Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi*, 22, 575.
15. Ashutosh, Gupta S, Ramesh, Sundar S, Goyal N. (2005) Use of *Leishmania donovani* field isolates expressing the luciferase reporter gene in in vitro drug screening. *Antimicrob Agents Chemother*, 49, 3776.
16. Beauverger P, Rodriguez M, Nicolas JP, Audinot V, Lamamy V, Dromaint S, Nagel N, Macia C, Leopold O, Galizzi JP, Caignard DH, Aldana I, Monge A, Chomarot P, Boutin JA. (2005) Functional characterization of human neuropeptide Y receptor subtype five specific antagonists using a luciferase reporter gene assay. *Cell Signal*, 17, 489.
17. Suzuki C, Nakajima Y, Akimoto H, Wu C, Ohmiya Y. (2005) A new additional reporter enzyme, dinoflagellate luciferase, for monitoring of gene expression in mammalian cells. *Gene*, 344, 61.

18. Bhaumik S, Lewis XZ, Gambhir SS. (2004) Optical imaging of Renilla luciferase, synthetic Renilla luciferase, and firefly luciferase reporter gene expression in living mice. *J Biomed Opt*, 9, 578.
19. Fuhrmann M, Hausherr A, Ferbitz L, Schodl T, Heitzer M, Hegemann P. (2004) Monitoring dynamic expression of nuclear genes in *Chlamydomonas reinhardtii* by using a synthetic luciferase reporter gene. *Plant Mol Biol*, 55, 869.
20. Gruber PJ, Li Z, Li H, Worrad D, Huang B, Abdullah I, Wang W, El-Deiry W, Ferrari VA, Zhou R. (2004) In vivo imaging of MLC2v-luciferase, a cardiac-specific reporter gene expression in mice. *Acad Radiol*, 11, 1022.
21. Ignowski JM, Schaffer DV. (2004) Kinetic analysis and modeling of firefly luciferase as a quantitative reporter gene in live mammalian cells. *Biotechnol Bioeng*, 86, 827.
22. Kizu R, Otsuki N, Kishida Y, Toriba A, Mizokami A, Burnstein KL, Klinge CM, Hayakawai K. (2004) A new luciferase reporter gene assay for the detection of androgenic and antiandrogenic effects based on a human prostate specific antigen promoter and PC3/AR human prostate cancer cells. *Anal Sci*, 20, 55.
23. Mayfield SP, Schultz J. (2004) Development of a luciferase reporter gene, luxCt, for *Chlamydomonas reinhardtii* chloroplast. *Plant J*, 37, 449.
24. Murphy GA, McLennan AG. (2004) Synthesis of dinucleoside tetraphosphates in transfected cells by a firefly luciferase reporter gene. *Cell Mol Life Sci*, 61, 497.
25. So MK, Kang JH, Chung JK, Lee YJ, Shin JH, Kim KI, Jeong JM, Lee DS, Lee MC. (2004) In vivo imaging of retinoic acid receptor activity using a sodium/iodide symporter and luciferase dual imaging reporter gene. *Mol Imaging*, 3, 163.
26. Kogai T, Kanamoto Y, Brent GA. (2003) The modified firefly luciferase reporter gene (luc+) but not Renilla luciferase is induced by all-trans retinoic acid in MCF-7 breast cancer cells. *Breast Cancer Res Treat*, 78, 119.
27. Kotarsky K, Antonsson L, Owman C, Olde B. (2003) Optimized reporter gene assays based on a synthetic multifunctional promoter and a secreted luciferase. *Anal Biochem*, 316, 208.
28. Phippard D, Manning AM. (2003) Screening for inhibitors of transcription factors using luciferase reporter gene expression in transfected cells. *Methods Mol Biol*, 225, 19.
29. Xu ZP, Tsuji T, Riordan JF, Hu GF. (2003) Identification and characterization of an angiogenin-binding DNA sequence that stimulates luciferase reporter gene expression. *Biochemistry*, 42, 121.
30. Yamamoto YY, Tsuhara Y, Gohda K, Suzuki K, Matsui M. (2003) Gene trapping of the Arabidopsis genome with a firefly luciferase reporter. *Plant J*, 35, 273.
31. Zhang W, Purchio AF, Chen K, Wu J, Lu L, Coffee R, Contag PR, West DB. (2003) A transgenic mouse model with a luciferase reporter for studying in vivo transcriptional regulation of the human CYP3A4 gene. *Drug Metab Dispos*, 31, 1054.
32. Bhaumik S, Gambhir SS. (2002) Optical imaging of Renilla luciferase reporter gene expression in living mice. *Proc Natl Acad Sci U S A*, 99, 377.
33. Hong SJ, Chae H, Kim KS. (2002) Promoterless luciferase reporter gene is transactivated by basic helix-loop-helix transcription factors. *Biotechniques*, 33, 1236.
34. Hubbard AK, Timblin CR, Shukla A, Rincon M, Mossman BT. (2002) Activation of NF-kappaB-dependent gene expression by silica in lungs of luciferase reporter mice. *Am J Physiol Lung Cell Mol Physiol*, 282, L968.
35. Qiao Y, Spitz MR, Guo Z, Hadeyati M, Grossman L, Kraemer KH, Wei Q. (2002) Rapid assessment of repair of ultraviolet DNA damage with a modified host-cell reactivation assay using a luciferase reporter gene and correlation with polymorphisms of DNA repair genes in normal human lymphocytes. *Mutat Res*, 509, 165.
36. Verhees J, van der Krol AR, Vreugdenhil D, van der Plas LH. (2002) Characterization of gene expression during potato tuber development in individuals and populations using the luciferase reporter system. *Plant Mol Biol*, 50, 653.
37. Wang Y, Yu YA, Shabahang S, Wang G, Szalay AA. (2002) Renilla luciferase- Aequorea GFP (Ruc-GFP) fusion protein, a novel dual reporter for real-time imaging of gene expression in cell cultures and in live animals. *Mol Genet Genomics*, 268, 160.

38. Chiba-Falek O, Nussbaum RL. (2001) Effect of allelic variation at the NACP-Rep1 repeat upstream of the alpha-synuclein gene (SNCA) on transcription in a cell culture luciferase reporter system. *Hum Mol Genet*, 10, 3101.
39. Hubbard AK, Timblin CR, Rincon M, Mossman BT. (2001) Use of transgenic luciferase reporter mice to determine activation of transcription factors and gene expression by fibrogenic particles. *Chest*, 120, 24S.
40. Jacobi CA, Gregor S, Rakin A, Heesemann J. (2001) Expression analysis of the yersiniabactin receptor gene *fyuA* and the heme receptor *hemR* of *Yersinia enterocolitica* in vitro and in vivo using the reporter genes for green fluorescent protein and luciferase. *Infect Immun*, 69, 7772.
41. Spenlehauer C, Gordon CA, Trkola A, Moore JP. (2001) A luciferase-reporter gene-expressing T-cell line facilitates neutralization and drug-sensitivity assays that use either R5 or X4 strains of human immunodeficiency virus type 1. *Virology*, 280, 292.
42. Wu JC, Sundaresan G, Iyer M, Gambhir SS. (2001) Noninvasive optical imaging of firefly luciferase reporter gene expression in skeletal muscles of living mice. *Mol Ther*, 4, 297.
43. Aoki Y, Sha S, Mukai H, Nishi Y. (2000) Selective stimulation of G-CSF gene expression in macrophages by a stimulatory monoclonal antibody as detected by a luciferase reporter gene assay. *J Leukoc Biol*, 68, 757.
44. Bert AG, Burrows J, Osborne CS, Cockerill PN. (2000) Generation of an improved luciferase reporter gene plasmid that employs a novel mechanism for high-copy replication. *Plasmid*, 44, 173.
45. Colin M, Moritz S, Schneider H, Capeau J, Coutelle C, Brahimi-Horn MC. (2000) Haemoglobin interferes with the ex vivo luciferase luminescence assay: consequence for detection of luciferase reporter gene expression in vivo. *Gene Ther*, 7, 1333.
46. Dyer BW, Ferrer FA, Klinedinst DK, Rodriguez R. (2000) A noncommercial dual luciferase enzyme assay system for reporter gene analysis. *Anal Biochem*, 282, 158.
47. Gelmini S, Pinzani P, Pazzagli M. (2000) Luciferase gene as reporter: comparison with the CAT gene and use in transfection and microinjection of mammalian cells. *Methods Enzymol*, 305, 557.
48. Himes SR, Shannon MF. (2000) Assays for transcriptional activity based on the luciferase reporter gene. *Methods Mol Biol*, 130, 165.
49. Parsons SJ, Rhodes SA, Connor HE, Rees S, Brown J, Giles H. (2000) Use of a dual firefly and Renilla luciferase reporter gene assay to simultaneously determine drug selectivity at human corticotrophin releasing hormone 1 and 2 receptors. *Anal Biochem*, 281, 187.
50. Roy G, Dumas C, Sereno D, Wu Y, Singh AK, Tremblay MJ, Ouellette M, Olivier M, Papadopoulou B. (2000) Episomal and stable expression of the luciferase reporter gene for quantifying *Leishmania* spp. infections in macrophages and in animal models. *Mol Biochem Parasitol*, 110, 195.
51. Savkovic SD, Koutsouris A, Wu G, Hecht G. (2000) Infection by bacterial pathogens expressing type III secretion decreases luciferase activity: ramifications for reporter gene studies. *Biotechniques*, 29, 514.
52. Strathdee CA, McLeod MR, Underhill TM. (2000) Dominant positive and negative selection using luciferase, green fluorescent protein and beta-galactosidase reporter gene fusions. *Biotechniques*, 28, 210.
53. Williams TD, Lee JS, Sheader DL, Chipman JK. (2000) The cytochrome P450 1A gene (CYP1A) from European flounder (*Platichthys flesus*), analysis of regulatory regions and development of a dual luciferase reporter gene system. *Mar Environ Res*, 50, 1.