C-myc Transgenic Mouse

Tech ID: 20532 / UC Case 2002-135-0

INNOVATION

UCLA Researchers have developed a novel mouse model for prostate cancerwhich will be useful for preclinical trials and biochemical assays. Themouse model is unique in that it incorporates a naturally occuring oncogeneimplicated in a significant fraction of human prostate cancer and accuratelyreflects the gradual progression of human prostate cancer from prostaticintraepithelial neoplasia (PIN) to localized adenocarcinoma, to locallyinvasive disease and metastatis, with essentially 100% penetrance. The timecourse of disease progression allows therapeutic testing against all stagesof disease, including prevention strategies. The model offers significantadvantages over current transgenic prostate cancer models such as TRAMP,which require expression of the SV40 T antigen and generate mice with alarge percentage of neuroendocrine, rather than adenocarcinomas of theprostate.

PATENT STATUS

Country	Type	Number	Dated	Case
Patent Cooperation Treaty	Reference for National Filings	WO 04/000010 A3	12/31/2003	2002-135

Patent Pending

CONTACT

UCLA Technology Development Group
ncd@tdg.ucla.edu
tel: 310.794.0558.



INVENTORS

- Sawyers, Charles L.

OTHER INFORMATION

KEYWORDS

research tools, transgenic mouse

CATEGORIZED AS

- **Medical**
  - Disease: Cancer
  - Research Tools
- **Research Tools**
  - Animal Models

RELATED CASES

2002-135-0

ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- Transgenic Mice with Prostate-specific Reporter Gene Expression

UCLA Technology Development Group
10889 Wilshire Blvd., Suite 920,Los Angeles,CA 90095
https://tdg.ucla.edu
Tel: 310.794.0558 | Fax: 310.794.0638 | ncd@tdg.ucla.edu

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