

There have been 1,331 patents have been applied for on mice genes. Here are some of them.

	Patent Number	Patent holder	Granted y/n	Date filed	Gene	Function/Use
1.	WO 0029608	University New York State	N	12/11/99	Uromodulin promoter	Kidney specific promoter to use in directing production of biologically active proteins in urine for use as drugs.
2.	WO 0017235	Zymogenetics	N	23/09/99	Cytokine receptor zalphall	Involved in cell death and inter-cell signalling. Use in diseases where activity is affected.
3.	US 6087343	University of Florida	Y 11/07/00	14/09/99	Beta1-adrenoceptor mRNA	Treatment of hypertension and myocardial infarction.
4.	WO 0015246	Harvard College	N	10/09/99	Sonic hedgehog, Indian hedgehog and desert hedgehog genes	All involved in proliferation of cells. Can be used in diseases where abnormal especially lung disorders and cancer.
5.	WO 0006731	University of Washington & Genentech	N	30/07/99	Persephin	Has effects on cell proliferation and differentiation especially in neurological and immunological disorders.
6.	WO 0006716	University John Hopkins	N	28/07/99	Growth differentiation factor - 11	To use in producing GM animals with low fat and high muscle production; treating kidney and muscle diseases.
7.	WO 0004147	Chugai Research Institute	N	16/07/99	Testis specific factor tesmin	Regulatory factor specifically active in the testes. For use in infertility.
8.	WO 9963078	University Technologies	N	02/06/99	Retinal calcium channel (RCC)	For treatment of eye conditions affecting the RCC
9.	WO 9963066	Norwegian Radium Hospital	N	28/05/99	Hammerhead mouse tumour necrosis factor alpha ribosome	Use in diseases such as cancer.
10.	WO 9960986	University British Columbia & Merck	N	27/05/99	Huntingtin-interacting protein	Affected in Huntington's disease so may be used in gene therapy of Huntington's Disease.

11.	WO 9955865	Genesis Research & Development Corp	N	29/04/99	Skin secreted protein	To treat skin conditions by encouraging skin growth.
12.	WO 9967403	University of California	N	28/08/98	Diacylglycerol O- acyltransferase	Involved in fat metabolism. Could be used to treat disorders such as obesity and diabetes or to produce GM animals with altered fat content.
13.	JP 11318466	Sumimoto Electric	Pending	20/05/98	Circadian rhythm related protein Per3	For use in research and treating abnormalities of circadian rhythm.
14.	US 6004924	Imperial Cancer Research & University of Yale	Y 21/12/99	06/03/96	Serrate protein	Treatment of cancer (eg lung and breast cancer) and other conditions such as nervous system disorders.