

There have been 501 applications for patents on chicken genes. Here are 28 of them.

	Patent Number	Patent holder	Granted Y/N	Date filed	Gene	Function/Use
1.	WO 0018884	University of Columbia New York	N	29/09/99	Homeobox protein 9	To produce differentiation of motor neurones. Neurological disease treatment
2.	WO 00140103	Beth Israel Deconess Medical Center	N	18/08/99	Syndecan -3	Stimulation of blood vessel growth
3.	EP 987335	Inst Physical and Chemical Research	N	02/09/99	Flanking regions of egg white lysozyme gene	Use in fixing DNA for use in preservation
4.	WO 00017336	Lee, S	N	17/09/99	GnRH –II linker peptide	Gonadotrophin Releasing hormone for use in production.
5.	WO 0000202	Hughes Institute	N	30/06/99	Beta-actin RT-PCR primer	Used in system to inhibit proto-oncogene expression.
6.	WO 00015246	Harvard College	N	10/09/99	Sonic hedgehog gene	Used in modulating growth of lung cells for treatment of lung disease.
7.	WO 0004051	Metamorphix Inc	N	15/07/99	Growth differentiation factor – 8 promoter	GDF gene promoter for muscle specific gene expression
8.	WO 9961590	Scripps Research Inst	N	29/05/99	c-Src tyrosine kinase gene	To modulate blood vessel growth and treat inflammatory disorders
9.	US 5977308	Icos Corp	Y	12/08/97	Platelet activating factor acetylhydrolase	Have anitnflammatory properties

10.	DE 19842991	Behrens, Unthan & Latus	N	1/09/98	Cytochrome b primer	Used to determine origin of material for use in e.g. forensics
11.	WO 00021991	Genetics Inst Inc	N	15/10/99	Expressed sequence tags	Whole range of postulated uses in identifying genes, gene therapy, vaccines etc. No specific function given
12.	WO 9906559	University John Hopkins School Medicine	?	28/07/98	GDF receptor	Growth differentiation factor – recombinant cells that express the receptor used to find compounds that can treat muscle disease.
13.	JP 11346786	Nippon Zeon KK	?	06/04/99	Interleukin - 15	Stimulates T lymphocytes and so for use as vaccine adjuvant.
14.	EP 1009424	Ontogeny Inc	N	28/08/98	Sonic hedgehog protein Shh	For regulation of muscle growth.
15.	EP1047711	University of California	N	22/10/99	Capsacin receptor	For use in identification of analgesics.
16.	EP1037969	Bristol- Myers Squibb	N	17/06/99	Avidin gene	Used in a system for producing fibrin for use in blood clotting.
17.	FR 2771422	CNRS Centre National Research	?	21/11/97	Tumour susceptibility	To aid in identification of birds resistant to virus induced tumours
18.	JP 11075871	Chugai Pharmaceut ical Co Ltd	?	29/05/98	Inhibition of cell calcification	Proteins produced used for diagnosis of abnormalities of calcification.

19.	WO 9830689	Euribird BV	no	12/01/98	Gene associated with dwarfism in poultry	To select birds which carry the gene.
20.	EP0684759	Cornell Research Foundation Inc	no	29/09/93	Egg white lysozyme	Lysozyme gives resistance to certain plant diseases such as blight. Patents describes use in GM plants.
21.	WO 9833887	University John Hopkins School of Medicine	No	05/02/98	GDF factor 8	Use in transgenic animals to increase muscle mass. Also to treat muscle disorders.
22.	EP0977858	University of Victoria Innovation and Development Corp	No	23/01/98	Polypeptides which stimulate release of pituitary growth hormones	Control of body weight in chickens.
23.	WO 9801468	University of Rochester	No	30/06/97	Chondrocyte protein gene	Involved in proliferation of bones.
24.	EP 0960194	Geneworks Inc	No	06/06/97	Lysozyme signal peptide gene	Directing synthesis of a product to the egg white.
25.	US 5885567	University of Connecticut	Yes 23/03/99	21/10/94	Interferon gene	Production of chicken interferon for treatment of chickens with viral diseases.
26.	US 5212297	University of Kansas and University State New Jersey	Yes	16/05/89	Egg white cystatin gene	Cystatin inhibits proteinases and may be useful to modulate production of cysteine
27.	JP 04135490	Shionogi & Co Ltd	?	25/09/90	Glucagon gene	To use in mass production of low fat chickens.

28.	EP 0106170	Amgen	Yes 02/05/91	13/09/83	Growth hormone gene	Use in GM microorganisms for production of chicken GH.
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