

## PRESS RELEASE

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### **ProBioGen Upholds Strong Patent Position in Viral Vaccine Manufacturing Field**

*Berlin, Germany, October 30<sup>th</sup>, 2013* - Cell line specialist ProBioGen announced that the Opposition Division of the European Patent Office has confirmed ProBioGen's patent, covering the production of Modified Vaccinia Ankara (MVA) virus on permanent duck cell lines for viral vaccines, in all claims.

ProBioGen was first to demonstrate that MVA can be produced efficiently on duck cell lines like its proprietary AGE1.CR.pIX® cell line. Modified Vaccinia Ankara (MVA) virus is a vector with proven safety profile for therapeutic and prophylactic vaccination against infectious diseases and tumors.

“The decision of the Patent Office confirms ProBioGen's strong position in the vector-based vaccine field. The upheld IP protection of this pioneering platform technology also provides planning security for our existing and for future licensees”, states Dr. Wieland Wolf, CEO of ProBioGen.

ProBioGen developed the AGE1.CR.pIX® duck cell line along with robust industrial vaccine production processes for a wide spectrum of viruses, including MVA. AGE1.CR.pIX® grows in true suspension in chemically defined media. In contrast to the traditionally used cells from embryonated chicken eggs, AGE1.CR.pIX®, derived from a muscovy duck, is devoid of adverse retroviral activity. Hence, the complex and costly production processes with chicken eggs are replaced by a safe, fully scalable, and cost-effective production platform, which is easily transferrable.

The company offers licenses and contract research services to human and animal vaccine companies.

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#### **About ProBioGen - [www.probiogen.de](http://www.probiogen.de)**

ProBioGen is an internationally operating technology provider and Contract Development and Manufacturing Organization (CDMO) with almost 20 years of experience in cell culture, process development, and GMP-manufacturing. ProBioGen is a competent and reliable CDMO partner, offering customized solutions for even the most challenging development and manufacturing requirements. This is backed by the company's established, fee-for-service-based CHO cell and media platform, its AGE1® family of animal and human designer cell lines, as well as the comprehensive portfolio of cell-based activity assays. All services and technologies are embedded in a total quality management system to assure compliance with international ISO and GMP standards (EMA/FDA). ProBioGen was founded in 1994 and is located in Berlin, Germany.

#### **About AGE1.CR.pIX® - <http://www.probiogen.de/services/viral-vaccines.html>**