

**Providing powerful tools for drug development and diagnostics**

The use of protein biochips has opened up new dimensions in drug discovery and diagnostics. The supply of different proteins in sufficient qualities and quantities and the availability of proven protein biochip technology are decisive prerequisites for leveraging the potential of microarrays. Protagen AG provides both. With UNIClone®, a unique technology platform for the generation of content, different expression libraries have been generated, which currently contain more than 10,000 non-redundant recombinant human clones. With the UNIchip® family, a series of invaluable research tools for drug development and diagnostics is available.

**High quality for safe applications**

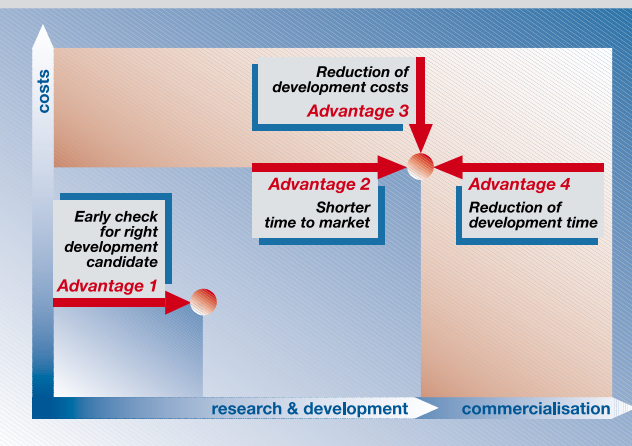
Protagen AG maintains stringent quality control procedures, both for the production process and for the content printed onto the microarrays. This means more reliable and reproducible experimental results and reduced development times and costs for the customer. The first available products of the UNIchip® family are powerful research tools for antibody development, allowing antibody validation and specification. The next application that will become available in the near future is protein biochips for biomarker discovery and for diagnostic applications like serum profiling, patient stratification or therapy monitoring.

**UNIchip®**

**Our products**

Powerful and efficient tools for antibody development  
UNIchip® AV-400  
UNIchip® AV-VAR

Determination of detection limit, dynamic range, linearity and cross reactivity of antibodies in a single experiment, saving time and money.



The UNIchip® family: Fourfold advantage that counts

we move ideas

**PROT@GEN®**



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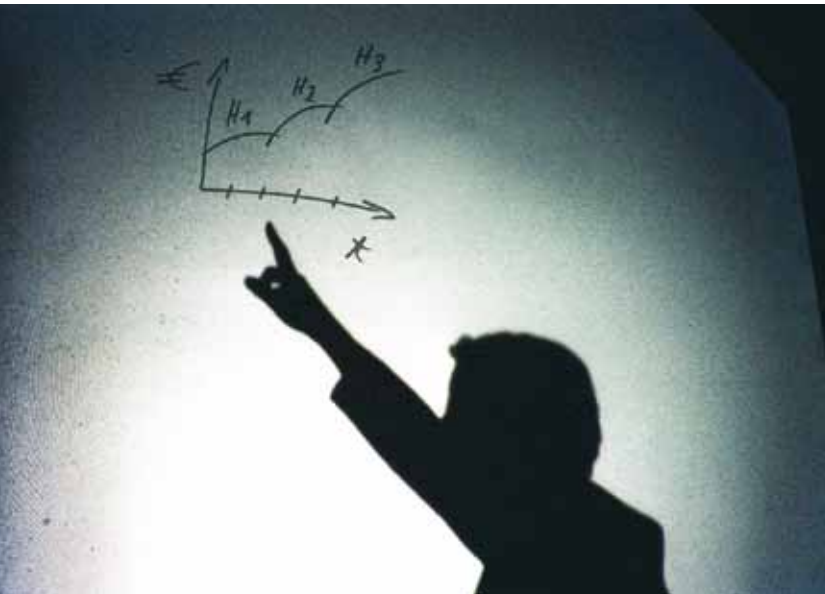


**Company profile**

Based in Dortmund, Germany, Protagen AG is counted among the world's leading biotechnology companies. Established in 1997, the company consistently translates the latest technologies in proteomics, protein biochips, and bioinformatics into services and products from which the entire life science industry and research institutes can profit. The current market position has been achieved by a corporate policy that is marked by quality concepts in addition to outstanding scientific know-how. The team at Protagen AG thus consistently strives towards the goal of always bringing the best possible quality in services and products to the market. On this foundation, Protagen AG can and will continue to grow with its customers.

**Your needs are our business**

Protagen AG is always focused toward the needs of the customers and the overall market. The team at Protagen AG has a strong belief that a comprehensive and targeted communication is of key importance in all projects. Experience has shown that this customer oriented approach leads to optimal results.



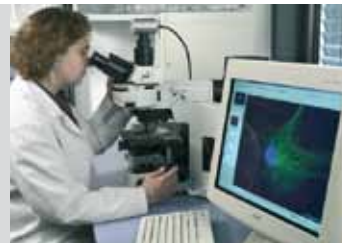
**Business activities**

Protagen AG offers services and products in the areas of:

**Analytics**  
... for sophisticated analyses and reliable results

**Bio-IT solutions**  
... for knowledge-discovery and validation

**Protein biochips**  
... for antibody development and biomarker discovery



**PROT@GEN®**

**Our portfolio of services:**

**Analytics**

- Protein analysis
- Protein identification via MS
- Proteome studies
- Protein analysis under GMP
- Antibody characterization
- Membrane proteomics

**Bio-IT solutions**

- Proteome data analysis service
- Generation of customized Bio-IT solutions
- Generation of customized LIMS systems

**Protein biochips**

- Antibody validation service
- Antibody specification service
- Biomarker discovery service

**Services**

The success of Protagen AG as service provider in the area of protein analyses and proteome studies is based on high expertise and long experience in combination with the availability of sophisticated instrumentation. Protagen AG is focused on the customers' benefit, providing comprehensive and conversational project management and high quality and reproducible data. In addition Protagen AG has access to the latest technologies and facilitates customer participation via services. The services of Protagen AG are already being utilized by a growing list of biotech and pharmaceutical companies as well as for internationally renowned institutes.

**Easy entry in new technology**

With UNIchip® services, Protagen AG allows its customers an easy and convenient entry into protein biochip technology. By offering a full service package, reaching from study design to microarray production to scanning and data analysis, no large upfront investments or allocation of internal resources are required of the customer. Extensive experience in protein biochip technology plus state-of-the-art lab instrumentation guarantee quick and reliable results.



**Team spirit**

Protagen AG has developed very dynamically. The levels of revenue and employees have grown consistently. The basis for past – and future – growth is a committed team of scientific and business specialists that knows how to combine science with entrepreneurial spirit. Besides quality concepts, fundamental principles like a clear vision, ambitious goals, and customer focus are central to our company culture. With this team spirit, Protagen AG considers itself well prepared for the future.

**Motivated people**

Ambitious goals can only be reached with extraordinary people. The outstanding specialist expertise of our staff, their capabilities as senior management, their commitment, and their high level of motivation continue to be the success factors of Protagen AG. From these strengths, our customers and cooperation partners will benefit.



An experienced and dedicated team, easy and targeted communication, as well as constant striving for excellence - we deliver what our customers expect.

