



## TheProphetAI Srl

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Proud producer of  
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## BIORECOMMENDER

The ultimate solution for biotech companies and Biotech distributors looking to streamline their data management processes.

With BioRecommender, you can easily access information about 4.500 producers of biotech products for research and diagnostics, including antibodies, kit Elisa, proteins, DNA reagents, and instruments. In addition, our software provides a complete list of distributors by country.



## FEATURES

**GeneRecommender** is an advanced **neural network** based on millions of scientific papers. It extracts essential data (protein names, diseases, etc.) and uses them to train a neural network in order to predict links within the protein network in a specific context. The AI system processes vast interactions from PubMed, BioXriv, etc., for training. After hours of running, it can recommend the most probable interaction between input genes (proteins) and other possible genes.

**Research use:** Academic and no-profit, we have made the decision to provide GeneRecommender free of charge for non-profit research purposes. The system can be accessed through our dedicated platform at [www.generecommender.com](http://www.generecommender.com). Users can receive recommendations regarding potential affiliated target genes by inputting specific genes. Subsequently, the platform allows for theoretically validating the suggestions using over ten publicly available open-source systems.

**Commercial uses:** There are two key possibilities to increase the turnover of a company selling antibodies, proteins, Elisa kits, or any other reagent related to a gene symbol with our technologies:

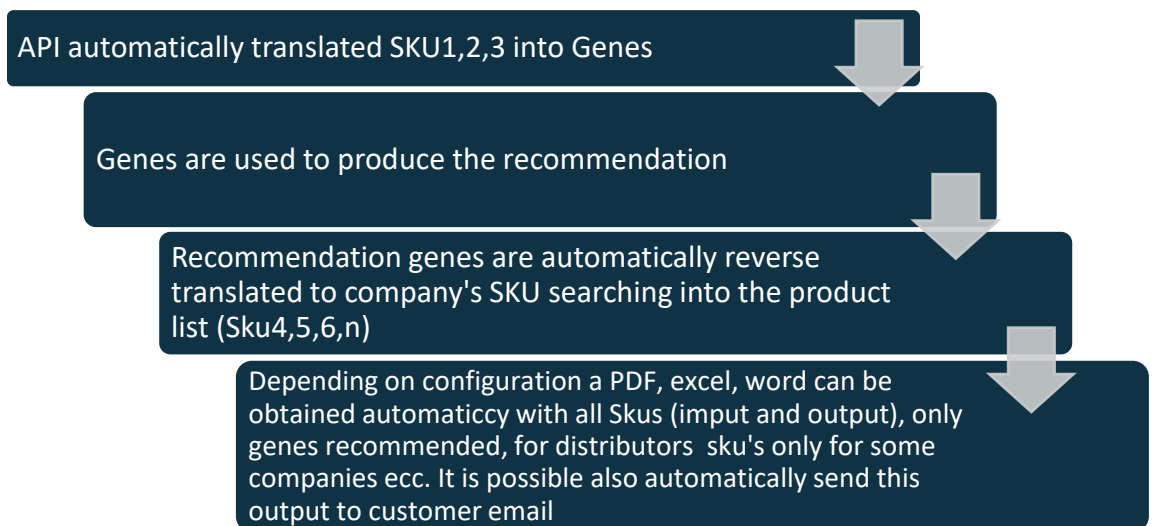
- 1) Country-based **Web Platform sponsor:** Enhance company visibility by connecting with researchers through our platform, providing them access to your company information. Associate your company URL with the suggested gene symbol (product code/SKU) for seamless navigation and easy access to detailed product information.
- 2) Integrate our **software API** seamlessly into your company's systems, such as ERP and CRM. With just a few lines of code, you can leverage the power of our neural network to retrieve gene suggestions and corresponding company SKUs based on customer requests. Simplify the process of integrating customer offers by utilizing our API for quick and accurate results.

## HOW TO USE OUR TECHNOLOGY TO INCREASE YOUR REVENUES:

If your company specializes in selling antibodies, proteins, or Elisa kits and you need a way to determine what your customers might need next based on their gene symbol (such as Uniprot ID or any other gene ID), the GeneRecommender API can assist you. This powerful tool allows you to predict, with a high level of accuracy, the products that would be relevant to your customers' requests.

To illustrate how it works, let's consider an example. A customer requests certain products identified by their SKUs, such as SKU1, SKU2, and SKU3. By integrating the GeneRecommender services with your ERP system or CRM, you can translate these SKUs into gene symbols. This information is then used to run the recommendation algorithm, which generates a list of new genes that are likely to be of interest to the customer.

With the recommended genes in hand, you can swiftly search your company's product catalogue for these specific genes. Finally, you can deliver the tailored suggestions back to the customer, ensuring that they receive precisely what they need while enhancing their overall shopping experience.



Some of our customers integrate the GeneRecommender API into their ERP systems. They include an additional PDF, along with the regular PDF offer, containing GeneRecommender's suggestions. This process is transparent, automated, and requires no operator interactions. Notably, over 35% of orders placed after this procedure align with the suggested genes. While we can't prove that the orders are solely due to GeneRecommender AI, in 30% of cases, GeneRecommender accurately predicts the right product to suggest. This success rate demonstrates the effectiveness of GeneRecommender in providing valuable recommendations.

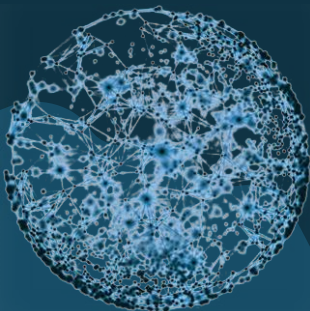
### Known Limitations:

- For GeneRecommender to be applicable, the orders must be attributed to a single customer or group. It cannot be applied if the order comes from a cumulative purchasing office.
- To ensure compatibility with GeneRecommender, all products in the catalogue must be linked to Gene Symbols. This entails having a separate field in the system that includes either NHI ID, Gene Symbol, or Uniprot ID for each product. The presence of synonymous gene symbols, often used by customers, is not crucial as GeneRecommender can identify official Gene Symbols from a comprehensive database containing various names associated with genes and proteins.

### What is a software API?

An API (Application Programming Interface) is a set of protocols, routines, and tools for building software applications. It defines the way different software components should interact with each other, enabling communication and data exchange between them.

Typically consists of a set of functions, classes, and data structures that expose the functionality of a software application to other programs. These functions and classes are designed to be used by other developers to build applications that can interact with the software in a standardized way.

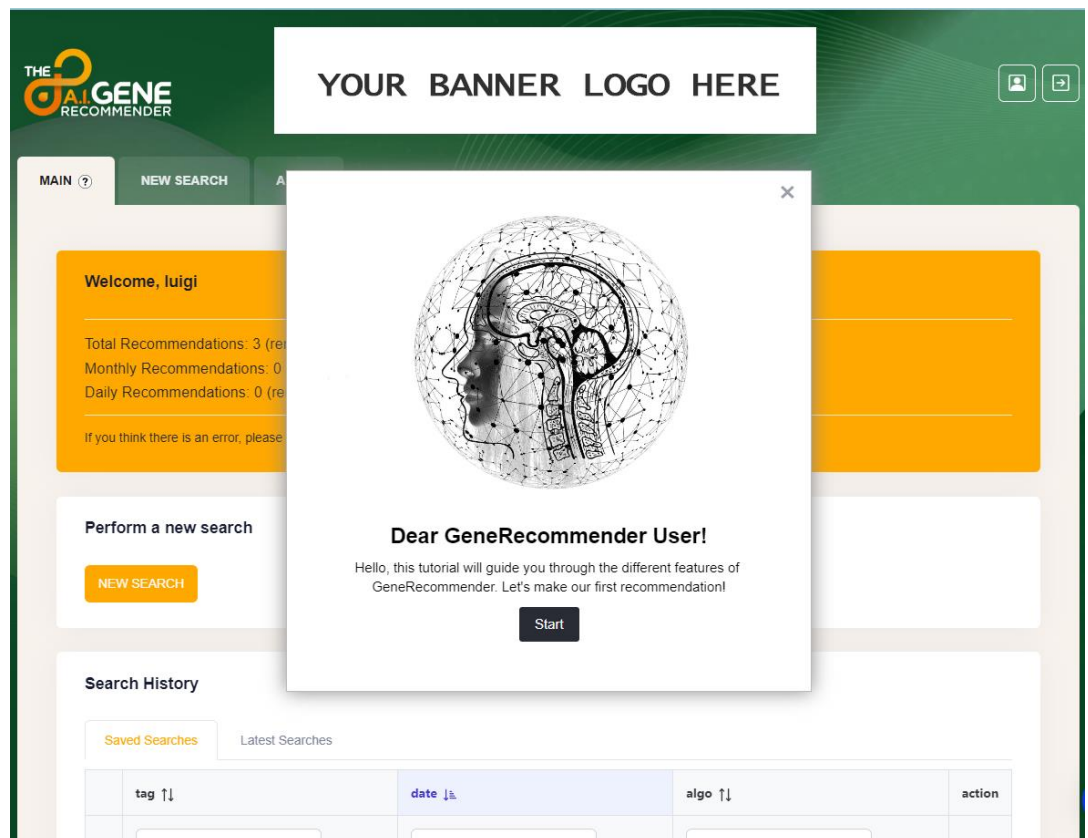


## PLATFORM SPONSORSHIP

Simplify customer support effortlessly! Your company can support researchers in licensed countries without any code implementation. Just provide your banner and text, and your logo will be visible to all researchers. Encourage customers to visit the platform by including invitations in all documents they receive. By sponsoring the platform, you'll attract more customers, leading to increased order volumes.

The set of recommended genes, as well as the input genes, will be linked to your website or a dedicated section within the platform exclusively created for you. This allows customers to easily navigate to the corresponding page on your website or internal platform for further information.

[www.generecommender.com](http://www.generecommender.com)



### How much does it cost?

The cost depends on the country you wish to sponsor and the achieved results.

### May I receive the logged customer details?

The availability of logged customer details depends on GDPR consent. If customers have given their consent, you can receive their information. Otherwise, you can access anonymous statistics on customer activities, such as the products/genes they searched for and the results obtained from GeneRecommender.

### GeneRecommender vs. ChatGPT?

GeneRecommender is way more accurate than ChatGPT in its domain. It provides suggestions based on human knowledge derived from scientific papers. It calculates the most relevant genes, considering the vast number of genes in our body, pathways, and disease databases. Human involvement remains vital in confirming and validating the suggestions.

## CONTACT & OPPORTUNITIES

We are confident that you can achieve remarkable results, enhance your brand image, and boost product bundling using AI. To demonstrate our conviction, we offer a free test!

How does it work? The initial demonstration is simple. Just send us a file in any format containing past orders (customer-ID, gene symbol or SKU, company date of sale). It is important to retain records of subsequent orders from the same customers after sending us the initial file. We will perform a recommendation based on this data, allowing you to test the number of products (SKUs) we can provide with our recommendations.

Please keep the following in mind:

- We require products with a gene symbol (ID Uniprot or others; please specify which one if not gene symbols or ID Uniprot).
- A minimum of 3 SKUs per customer is necessary for accurate predictions; one or two SKUs may result in less reliable outcomes.
- Customer names are not needed; a unique identifier or number is sufficient. This will allow you to compare our prediction with actual customer orders.
- If you prefer SKUs instead of gene symbols, please provide an Excel file for the company/companies to 'translate' gene symbols into SKUs.
- If you are ready to test the API and have an IT manager who can handle it, we are pleased to offer you some tokens for extensive testing. Please don't hesitate to inquire about this.

So, what are you waiting for? Send an email to [info@theprophetai.com](mailto:info@theprophetai.com) and request a free test. If you need detailed specifications and instructions, we are also available for a quick call to discuss what we can do for your life-science business!"

Please let us know if there's anything else I can assist you with!



**INCREASE YOUR TURNOVER WITH AI  
HELPING YOUR CUSTOMERS!**

[info@theprophetai.com](mailto:info@theprophetai.com)