Unravel the complex strands of biological sequences

Clarivate provides the solutions to help IP and R&D professionals search and analyze biological sequences described in global patent publications

- Find, analyze and understand biological sequences data from around the world
- Understand the global patent landscape and competitor activities
- Surface potential patent infringements
- Identify prior art and establish freedom to operate and patentability
- Quickly assess the context of the sequence in the patent

Understand the global patent landscape and competitor activities

Clarivate™

An essential resource for anyone doing work in biologics and searching for sequence information in global patents.

Derwent SequenceBase™

Designed specifically for biological sequence searching, Derwent SequenceBase helps IP and R&D professionals better understand the bio-sequence patent landscape and make higher confidence patentability, freedom-to-operate and validity decisions.

Derwent SequenceBase provides comprehensive access to bio-sequence patent data from several sources in one single platform, enabling efficient, comprehensive and precise patent searching.

With Derwent SequenceBase, scientists spend less time searching and more time on research and development, and IP professionals can be confident they're not missing relevant publications that could impact patentability or clearance decisions.

- Access GENESEQ™, USGENE®, WOGENE™ and GenBank®, the most comprehensive collection of biologic sequences in patents in a single platform
- Quickly analyze references with enriched sequence data annotated to help you find context fast
- Easily share results and collaborate with clients and stakeholders
- Increase the relevancy and focus of search results with filtering tools

Comprehensive, timely, annotated coverage.

GENESEQ

GENESEQ is a proprietary database used to easily search and identify biological sequences (DNA, RNA, protein sequences) covered in patents from 56 issuing authorities. Manually annotated to highlight IP context and biological significance, GENESEQ allows IP professionals and biologic scientists to spend less time searching and understanding sequence data and more time assessing patentability, identifying potential infringing patents and tracking competitor activities.

GENESEQ delivers the entire patent landscape surrounding the biological sequence under investigation with coverage beginning in 1981 from worldwide patent issuing authorities including WO, US, EP, JP, DE, IN, KR, and CN.

Find context faster with annotated analysis

Our editorial team of more than 40 biology and life sciences experts provides written summaries that clarify and explain sequence novelty and utility of a given sequence, including:

- Enhanced patent titles that are more intuitive
- Record detail includes organism name, gene/protein name, sequence modification or other highlighted biologically significant regions of the sequence, and associated disease information
- Sequence location within the patent document
- Standardized, full bibliographic data
- Links to identical records from NCBI and SWISSPROT, Gene Ontology (GO) when provided in the patent
- GENESEQ covers 110+ million sequences from more than 531,000 unique patents.

Clarivate's proprietary biological sequence database, GENESEQ covers:

110M
biological sequences

531K
unique U.S. patents

56
issuing authorities

Never miss a patent with complete timely coverage

Uniquely, we go beyond what is available in electronic sequence submissions to bring you all sequences – even those that are "hard-to-find" in figures and tables ensuring you have the complete picture.

- Nucleic acid sequences 10 or more bases in length
- Amino acid sequences 4 or more residues in length
- All PCR primers and probes of any length

GENESEQ is available through Derwent SequenceBase or can be accessed through an API for organizations that want enterprisewide access to conduct sequence searching and analysis on their in-house platforms.

USGENE

A trusted resource for life science intellectual property professionals, providing unrivaled searchable access to all available peptide and nucleotide sequences from the published applications and issued patents of the United States Patent and Trademark Office.

With over 287 million biological sequences from more than 413,000 unique U.S. patents and published patent applications, it contains a wealth of essential sequence information not available anywhere else. With coverage beginning in 1981, the database is continually growing with hundreds of documents containing biological sequences added twice per week and within 24 hours of patent publication.

WOGENE

Providing comprehensive coverage from international published patent applications containing nucleic acid and protein sequences from: the World Intellectual Property Organization, the European Patent Office, the Japanese Patent Office, and the Korean Intellectual Property office.

With coverage dating back to 1979 of more than 130 million biological sequences from more than 393,000 unique international published patent applications, it contains a wealth of essential sequence information not available anywhere else. Additional documents containing biological sequences are added twice per week and within 24 hours of publication.

Coverage in USGENE and WOGENE includes:

- Nucleic acid sequences 10 or more bases in length
- Amino acid sequences 4 or more residues in length
- All PCR primers and probes of any length
- Sequence information, including organism name, molecule type, and modifications

Database annotation includes:

- Patent title
- Sequence identity number (SEQ ID NO) within the sequence listing
- Original source organism
- Standardized bibliographic data

GenBank

NIH's genetic sequence database is an annotated collection of all publicly available DNA sequences. GenBank is part of the International Nucleotide Sequence Database Collaboration, which comprises the DNA DataBank of Japan (DDBJ), the European Nucleotide Archive (ENA), and GenBank at NCBI.

With over 1 trillion nucleotide bases from more than 451 million individual sequences, GenBank provides access within the scientific community to the most up-to-date and wide-ranging DNA sequence information.

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Patent Search Services

Our team of expert biotech researchers provide patent search results you can trust. We specialize in providing comprehensive patent searches for patentability, freedom to operate and invalidity for biotech, chemical and pharmaceutical clients. Our team of experts has on average 10 years of patent research and over 60% have an advanced degree (Masters, Ph.D.).

For each project, our analysts develop search strategies for target sequences and search type (patentability, freedom to operate, validity, state-of-the-art search, etc.) which typically includes both sequence searching and classification/text searching.

- Flexible and customizable engagement models
- Unfettered access to GENESEQ, Derwnt World Patent Index, and 32 other patent, chemical, biological sequence and scientific literature databases
- Native language searching across 19 total languages
- Projects led by a single point of contact with support from 10 offices worldwide providing 24/5 support
- Able to provide USPTO biological sequence listing in standardized format, either ST.25 TXT or ST.26 XML

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