CycloneSEQ-WT02

Nanopore Gene Sequencer

Nano Gates to the

Macro Cosmos



Maximizing Your Research Potential

CycloneSEQ-WT02, a nanopore gene sequencer launched in 2024, features a dual flow cell design that enables independent operation. With flexible throughput options and exceptional capabilities such as **broad coverage**, **rapid sequencing**, and **flexible testing**, it meets the diverse needs across various applications, such as microbial genome research, microbial metagenome sequencing, amplicon-based microbial detection, targeted disease testing, small whole-genome assembly and whole transcriptome sequencing, etc.



Broad Coverage



Rapid Sequencing



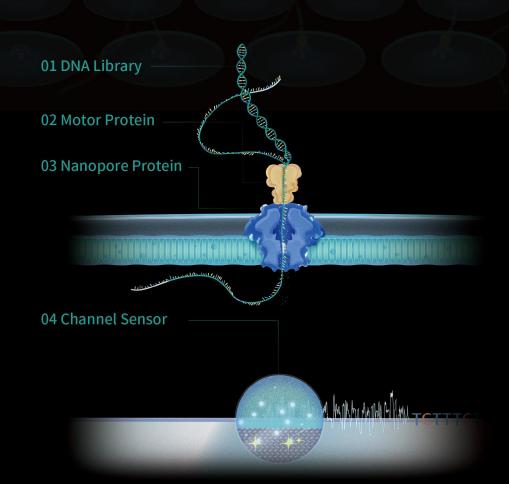
Flexible Testing



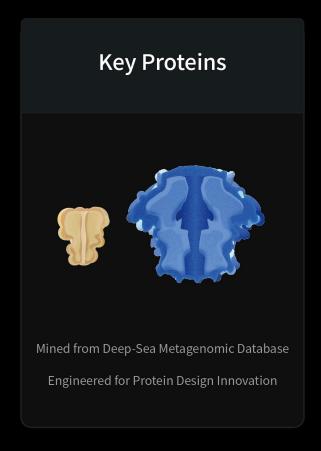
The Key to the Genome's Treasures

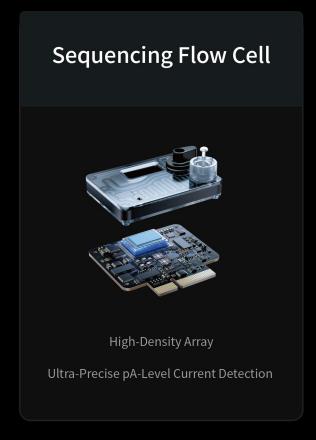
Sequencing Principle

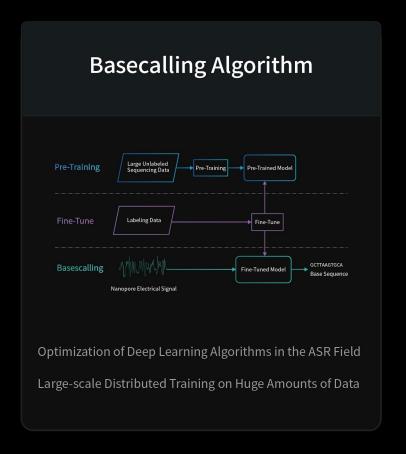
During the CycloneSEQ-WT02 sequencing process, the DNA library molecules linked to the motor protein are drawn to the vicinity of the nanopore protein embedded in the membrane under the influence of electric field forces, where they are captured by the nanopore protein. Meanwhile, motor proteins situated near the nanopore proteins entrance, steadily and rapidly unwinding the DNA. This allows the DNA libraries to pass through the nanopore as a single strand. Different DNA bases and their arrangement impede the current to varying degrees, triggering the current fluctuations. The channel sensor captures these current fluctuation data and transmits them to the computer system, where basecalling algorithms parse the information to achieve real-time and accurate gene sequencing.



Tech Advances, Powering Ahead







Robust Stability, Powerful Capture, High Speed

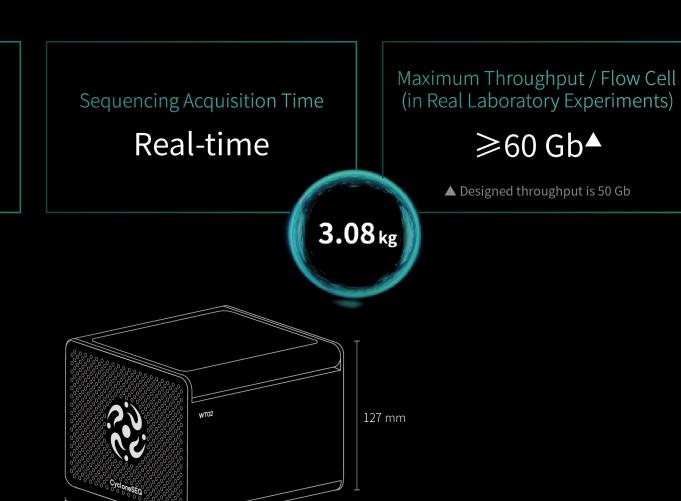
High Density, Low Noise, Durable Fuel Chemistry

Cutting-Edge, High Precision, High Performance

Performance Parameter

Number of Nanopore Proteins

4096/Flow Cell



165 mm

Diverse Applications

CycloneSEQ-WT02 has broad application prospects and potential in the field of life sciences, empowering different application scenarios.



Ordering Information

Product Name (Model)	Cat. no
Nanopore Gene Sequencer (CycloneSEQ-WT02)	H900-000005-00
Nanopore Gene Sequencer Bundle 2 (CycloneSEQ-WT02 Nanopore Gene Sequencer +Workstation+Keyboard+Mouse+Display screen)	H900-000003-00
WT Sequencing Flow Cell (2 pcs/set)	H930-000002-00
CycloneSEQ Universal Library Prep Set (24 RXN)	H940-000013
CycloneSEQ WT Sequencing Kit (6 T)	H940-000016
CycloneSEQ WT Flow Cell Wash Kit (6 T)	H940-000017

Unless otherwise informed, those products are only available in seleated countries.



Manufacturer

BGI Hangzhou CycloneSEQ Technology Co., Ltd.

No. 203 Zhenzhong Road, Xihu District, Hangzhou, Zhejiang Province, P. R. CHINA



Official website

Distributor

MGI Tech Co., Ltd.

Building 11, Beishan Industrial Zone, Yantian District, Shenzhen. CHINA 518083



Official website

Ø en.mgi-tech.com
☐ MGI-service@mgi-tech.com
⑤ 4000-688-114