

Discover our Workflows



Protein Analysis



Nucleic Acid Analysis



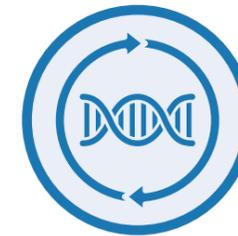
Cloning & Gene Engineering



Immunohistochemistry (IHC)



Cell Culture



Cloning & Gene Engineering Workflow

From Sample to Insight.
Empowering your Workflows.

Cloning & Gene Engineering Workflow

Cloning and gene engineering enable the manipulation of genetic material to study gene function, produce recombinant proteins, and develop engineered biological systems.

This workflow integrates molecular biology and microbiological techniques to construct and propagate designed DNA sequences. It underpins advancements in biotechnology, synthetic biology, and therapeutic development.



Gene Preparation

DNA Assembly & Cloning

Plasmid Amplification & Preparation

Protein Expression

Your Experimental Methods

- Target Gene Amplification
- Purification
- Gel Electrophoresis
- Staining

- Digestion / Ligation
- Vector Design and Cloning

- Transformation
- Microbiology / Cell Culture
- Clone Selection
- Scalable Purification of Plasmid DNA

- Transformation
- Microbiology / Cell Culture
- Protein Extraction and Purification
- Protein Analysis

Our Supporting Brands

