

CUSTOM

# MOLECULAR BIOLOGY SERVICES

From Discovery to the Clinic

Bio-Synthesis provides a wide range of molecular biology services, including de novo gene synthesis, RNA synthesis, cloning, DNA constructs and plasmid preparation, DNA sequencing, siRNA and miRNA design and expression vector construction. Our services cover the entire range of gene analysis from identification and cloning to functional studies. Using Bio-Synthesis' Custom Gene Services can free up your valuable time for more strategic developments.

***As always, every custom project undergoes strict quality control - quality is always guaranteed!***

▶ **De Novo Gene Synthesis**

Any gene in any vector  
Advanced gene design algorithms  
Simple to complex gene synthesis

▶ **RNA Synthesis**

Any sequence  
IVT generated  
Flexible scale

▶ **PCR Cloning and Subcloning**

Advanced technology  
Fast turnaround

▶ **Plasmid Preparation**

Flexible scale  
Competitive prices

Other popular molecular biology services such as **Vector-Based RNAi** and **Genetic Testing and Analyses** are also available at Bio-Synthesis.

Contact us now by calling **800.227.0627** or visit us at **WWW.BIOSYN.COM**

## Synthetic Gene Specifications

Each synthetic gene will be delivered cloned into a plasmid and DNA sequence verified. Standard plasmid shipments contain 2-5 µg of purified lyophilized plasmid DNA, but more DNA is available for an additional charge. The plasmid with your gene is delivered in a microcentrifuge tube, along with a transformed E. coli culture stab for domestic customers. International customers receive a filter paper with the plasmid in order to expedite shipping. A Quality Assurance Certificate is also enclosed.

For each gene, sequence chromatogram trace files covering both strands of the gene, a plasmid map and the full nucleotide sequence of the plasmid containing your gene insert are available in your online account in electronic format.

**www.biosyn.com**

Service across Genomic, Proteomic, and Cell Biology



**BIO SYNTHESIS**  
COMMITTED TO BIOMIC RESEARCH

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