

Molecular Biology Services

Molecular biology services

Molecular biology is the core of many life science research topics, and also plays a fundamental role in modern medical and pharmaceutical research topics alike. Along with the increase in efficiency, molecular biology technologies have been applied to various fields of biological research and development including: molecular mechanisms, drug interactions, targets and effects.

Synbio Technologies provides exceptional molecular biology services intently to meet our customers' specific requests. Relying on revolutionary breakthroughs in DNA synthesis and engineering technologies, our comprehensive services range from plasmid DNA preparation, site-directed mutagenesis, and vector construction to other related projects. It is these services that have promoted Synbio Technologies to become one of the premier companies within the molecular biology technology industry.

Compared to the "do it yourself" process within molecular biology services, Synbio Technologies is in place for rescuing scientific researchers from consuming too much time and energy in laborious operations and fluctuating results. Our molecular biology services provide our customers with cost effective and efficiency benefits. Synbio Technologies can free up your research time and save your lab cost as request, which will help you focus on various other research topics in your field of interest. Our excellent specialists are always available for your enquiry.

Molecular Biology Services Advantages

- ✧ [Comprehensive DNA Synthesis Platform](#) : Includes our Syno®1.0 oligo synthesis through Syno®3.0 high-throughput gene/genome synthesis designed to meet our customer's every request with regards to project scope and scale.
- ✧ [Professional Technical Team](#) : Synbio Technologies' highly experienced team provides our customers with a customized approach to meet all of their project requests.
- ✧ [Efficient Processing of Enquiries](#) : Your enquiry will be handled within an efficient timeframe ; The order processing status will be updated regularly by Synbio Technologies' palmary technical support system.

Contact us

Synbio Technologies

1 Deer Park Drive, Suite L-1
Monmouth Junction
NJ, 08852

Tel:+1 732-230-3003

Fax:+1 609 228 5911

Web:www.synbio-tech.com

E-mail:service@synbio-tech.com

Molecular Biology Service Details

- ✧ **Plasmid DNA preparation** : Large-scale preparation up to 10 mg level
 1. Extremely low endotoxin
 2. Less than 5EU/mg Stringent checkout for quality guarantee.

- ✧ **PCR cloning** : Optimized amplified primer design
 1. Any vector to any cloning site as request.
 2. Fast delivery in 5 business days.

- ✧ **Subcloning** : Clone specific DNA fragments into any required vector
 Exact sequence verification by Sanger sequencing.

- ✧ **Site-directed mutagenesis** : insertion, deletion or point mutation
 1. Rich experience in handling difficult sequence.
 2. Any cloning site within any vector

- ✧ **Vector construction** : Up to 100 kb vector construction
 Functional validation and analysis

Services Specifications

Molecular Biology Services	Information		Turnaround Time (Business Day)	Delivery Form	Price
Plasmid DNA Preparation	Plasmid type Mini	Quality 5 µg	2-4	1. Prepared plasmid DNA 2. Certificate of analysis (COA) 3. QC report	Quote
	Midi	100 µg	3-5		
	Maxi	500 µg	5-7		
	Mega	2 mg			
	Giga	10 mg			
PCR Cloning & Subcloning	DNA fragment length: <1kb		10-13	1. Prepared plasmid DNA	Quote

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	1-2kb		2. Certificate of analysis (COA) 3. QC report	
	2-3kb	15-18		
	>3kb	Inquiry		
Site-directed Mutagenesis	Cloned fragment length: <2kb 1-3 point mutations	10	1. Dry powder DNA (4µg) 2. Glycerol bacteria or puncture bacteria containing the corresponding plasmids (1 tube) 3. Original peak diagram of sequencing results (ab1 format) 4. COA file, including QC enzyme digestion verification figure	Quote
	2-3kb 1-3 point mutations	13		
	3-5kb 1-3 point mutations	16		
Vector Construction	shRNA	10	1. Lyophilized plasmid DNA (4µg) 2. Sequencing chromatogram 3. COA file 4. Virus particle or cell line (Optional)	Quote
	TALEN			
	CRISPR-Cas9			

Note: Please contact service@synbio-tech.com to quote price details or raise your specific requirement.

Molecular Biology Related Services

- ✧ **Gene synthesis** : De novo synthesize the error-free gene sequences on the basis of our proprietary Syno® platform.
- ✧ **DNA sequencing and analysis** : High quality standard present reliable gene sequencing and analysis services.

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- ✧ **Protein expression and purification :** Guaranteed 3 mg protein of 85% purity with our Syno®Gene-to Protein Package in E. coli expression system.

Molecular Biology Frequently Asked Questions

- ✧ The wide ranged application of molecular biology.
- ✧ Molecular biology cloning main steps.
- ✧ Molecular biology for DNA synthesis or protein expression.

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