

TaKaRa Custom-made Services

Gene

TaKaRa Bio Inc. offers high throughput and finest services for gene analysis, where TaKaRa Bio Inc. is most specialized. We will meet customer's request with our leading-edge technologies in microbeads array, DNA chips and ultra high-speed sequencing at Dragon Genomics Co., Ltd, in addition to the conventional gene analysis methods.

We are striving for finer services by enrichment in gene manipulation technology, which links genes and protein functions. This includes gene synthesis (synthesis of genes from DNA sequence data), gene conversion through SNP introduction, construction of expression vectors.

Protein

For protein expression, TaKaRa Bio Inc. provides a vast range of services with our unique technologies and collaboration with international partners. Those services extend from construction of various expression systems, large-scale bacterial cultures to protein purification.

We also provide fundamental technologies in proteomics such as primary structure analysis, proteome analysis and glycoanalysis.

Cell

For functional analysis of proteins, experiments with living cells or individuals are essential. TaKaRa Bio Inc. provides custom made antibody, recombinant adenovirus and retrovirus, and high titer virus solutions.

Medical

To support medical services and the development of pharmaceutical products, we provide genetic tests and screenings based on our long-standing experience. We have also started a service for vector synthesis for gene therapy to assist clinical researches.

Gene	<p>Library & Screening</p> <ul style="list-style-type: none"> cDNA Library Genomic DNA Library PCR Cloning Rapid cDNA Screening 	<p>Expression Analysis</p> <div style="display: flex; justify-content: space-between;"> <div> <p>Custom DNA Chip</p> <ul style="list-style-type: none"> Microarray Design Fragment Preparation Spotting more info </div> <div> <p>ICAN® DNA</p> <ul style="list-style-type: none"> Ready-to-spot DNA Fragments more info </div> <div> <p>DNA Microbeads Array</p> <ul style="list-style-type: none"> Megaclone™ more info Megasoft™ MPSS® </div> </div>	
	<p>Sequencing</p> <ul style="list-style-type: none"> One-pass Sequencing PCR Direct Sequencing Primer Walkin Shot-gun Sequencing Full-length Sequencing 	<p>Bioinformatics</p> <ul style="list-style-type: none"> Clustering Gene Prediction more info 	
	<p>Gene Manipulation</p> <ul style="list-style-type: none"> Synthetic Gene Point Mutation Insertion/Deletion Vector Construction 	<p>Synthetic Oligos</p> <ul style="list-style-type: none"> PCR Grade Sequence Grade Labeled Oligo Plate Oligo RNA 	
Protein	<p>Protein Expression</p> <ul style="list-style-type: none"> Bacterial Expression Insect Cell Expression Protein Purification Synthetic Peptides 		
	<p>Protein Analysis</p> <div style="display: flex; justify-content: space-between;"> <div> <p>Sequencing</p> <ul style="list-style-type: none"> N-Terminal Sequence Internal Sequence C-Terminal Sequence Deblocking & Sequence </div> <div> <p>Mass Determination</p> <ul style="list-style-type: none"> ESIMS </div> <div> <p>Proteome Analysis</p> <ul style="list-style-type: none"> 2D PAGE Profiling Sequencing </div> <div> <p>Glyco Analysis</p> <ul style="list-style-type: none"> Composition Analysis </div> </div>		
Cell	<p>Antibody</p> <ul style="list-style-type: none"> Polyclonal Ab. Monoclonal Ab. Labeled Ab. Ab. Fragment 		
	<p>Recombinant Adenovirus/Retrovirus</p> <ul style="list-style-type: none"> Construction Production Concentration 		
Medical	<p>Vectors for Gene Therapy Retrovirus, Adenovirus, Naked DNA</p>		
	<p>Diagnostic Testing PCR, RT-PCR, Microsatellite, RFLP, etc.</p>		