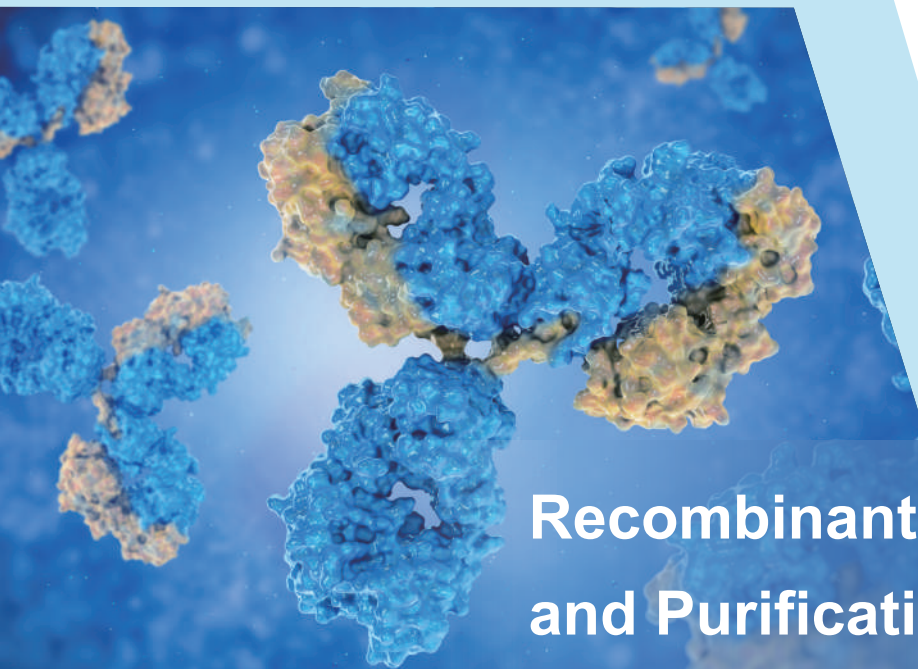




Recombinant Antibody Expression and Purification Services

Led by an experienced team of recombinant antibody and protein scientists, GenCefe Biotech provides comprehensive solutions for recombinant antibody and protein production. Supported by our well-established gene synthesis platform and advanced CHO and HEK293 mammalian expression systems, we deliver end-to-end services—from gene synthesis and expression vector construction to antibody and protein purification, as well as large-scale manufacturing.

We offer efficient, stable, and customizable antibody expression solutions for academic institutions and biopharmaceutical companies, enabling smooth transitions from fundamental research to drug development. With our robust technical systems and extensive project experience, GenCefe is committed to accelerating antibody R&D and enhancing translational efficiency for innovative discoveries.

- **Expert Team:** Our team is led by senior scientists specializing in recombinant proteins and antibodies, ensuring professional project design and high-quality antibody/protein delivery.
- **High-Quality Expression Systems:** Utilizing CHO and HEK293 mammalian cell platforms, we achieve high yield, high purity, and excellent batch-to-batch consistency.
- **One-Stop Solution:** Comprehensive workflow from gene synthesis and codon optimization to expression, purification, and scale-up—saving time and simplifying your workflow.
- **Efficient and Flexible Delivery:** Rapid response to diverse project requirements, supporting fully customized solutions from small-scale research to large-scale production.



Recombinant Monoclonal Antibody Services

GenCefe provides one-stop recombinant antibody expression solutions—from sequence design to expression and purification—enabling customers to quickly and reliably obtain high-quality antibody products. Our mature platform is widely used in scientific research, drug discovery, and functional validation, ensuring smooth project progression.

With optimized vector systems and CHO/HEK293 expression platforms, GenCefe efficiently produces recombinant antibodies from human, mouse, rat, and rabbit origins. We not only provide full-length antibodies but also offer various antibody fragments (such as scFv, Fab, and VHH), supporting scalable production with excellent consistency and stability across batches.

Service Features

- **Fast Delivery:** Our standardized expression platform enables purified antibody production in as fast as 1 week.
- **Extensive Experience:** Our team has years of experience in antibody expression and purification, capable of producing milligram- to gram-scale recombinant antibodies.
- **One-Stop Workflow:** From codon optimization, gene synthesis, and vector construction to expression and purification—GenCefe provides a complete, integrated solution.
- **Comprehensive Technical Support:** Dedicated technical experts ensure smooth communication, flexible customization, and prompt issue resolution throughout the project.

Service Specifications

	RushExpress Mini		RushExpress Mid		RushExpress Large
Applications	Tagged, standard-structure symmetric monoclonal antibodies such as Human IgG1/IgG4, Mouse IgG1/IgG2, and VHH-Fc/His				Milligram to gram level recombinant antibody expression requirements
Volume	1 mL	4 mL	10 mL	30 mL	Starting from 60 mL
Cat. No.	RAB001F001	RAB001F004	RAB001F010	RAB001F030	RAB001F100
Turnaround Time	As fast as 7 days		As fast as 7 days	As fast as 10 days	As fast as 2 weeks
QC Included	1. SDS-PAGE >95% 2. SEC-HPLC >90% 3. Endotoxin (random sampling)		1. SDS-PAGE >95% 2. SEC-HPLC >90% 3. Endotoxin < 1 EU/mg		
Deliverables	· 4 µg Plasmid · >100 µg Purified Antibody · COAs	· 4 µg Plasmid · >500 µg Purified Antibody · COAs	· 4 µg Plasmid · >1.5 mg Purified Antibody · COAs	· 4 µg Plasmid · >5 mg Purified Antibody · COAs	· 4 µg Plasmid · Purified Antibody, >15 mg/100 mL · COAs

	High-Express Mini		High-Express Mid		High-Express Large
Applications	Tagged, standard-structure symmetric monoclonal antibodies such as Human IgG1/IgG4, Mouse IgG1/IgG2, and VHH-Fc/His				Milligram to gram level recombinant antibody expression requirements
Volume	1 mL	4 mL	10 mL	30 mL	Starting from 100 mL
Cat. No.	RAB002H001	RAB002H004	RAB002H010	RAB002H030	RAB002H100
Turnaround Time	2 weeks		2 weeks		2-3 weeks
QC Included	1. SDS-PAGE >95% 2. SEC-HPLC >90% 3. Endotoxin (random sampling)		1. SDS-PAGE >95% 2. SEC-HPLC >90% 3. Endotoxin < 1 EU/mg		
Deliverables	· 4 µg Plasmid · >200 µg Purified Antibody · COAs	· 4 µg Plasmid · >1 mg Purified Antibody · COAs	· 4 µg Plasmid · >3 mg Purified Antibody · COAs	· 4 µg Plasmid · >10 mg Purified Antibody · COAs	· 4 µg Plasmid · Purified Antibody,>30 mg/100 mL · COAs

Recombinant Protein Services

Mammalian cells such as CHO and HEK293 offer proper protein folding and rich post-translational modifications (e.g., glycosylation and phosphorylation), making them ideal for expressing human-derived proteins. In addition to recombinant antibody services, GenCefe also provides custom recombinant protein expression, efficiently producing a variety of secreted proteins such as enzymes, cytokines, growth factors, and fusion proteins.

Service Specifications

Step	Description	Turnaround Time	Deliverables
Gene Synthesis (Optional)	Gene synthesis with codon optimization Subcloning Plasmid preparation	From 5 days	1. Purified recombinant protein 2. COA report
Pilot Protein Expression	Transient transfection Pilot expression and purification	From 3 weeks	
Scale-up expression & purification	Transient transfection ≥1 L expression and purification QC and delivery		

Large-Scale Recombinant Antibody and Protein Production

GenCefe provides customized large-scale antibody and protein production services up to hundreds of grams. Relying on our advanced CHO and HEK293 mammalian cell expression systems and integrated production workflows—from gene synthesis, codon optimization, and vector construction to expression and purification—we ensure high yield, superior purity, and batch-to-batch consistency. Whether for preclinical studies, functional assays, or industrial-scale production, GenCefe provides reliable, high-quality recombinant antibodies and proteins.

Service Features

- **High Quality Assurance:** Purity >95%, endotoxin level <0.1 EU/mg, meeting research and preclinical standards.
- **Rapid Turnaround:** From milligram to gram-scale production, standard projects can be delivered within 2–4 weeks.
- **Flexible Production Scale:** Supports both transient expression and stable cell line generation, accommodating different scales and development stages.

Service Specifications

Step	Description	Turnaround Time	Deliverables
Gene Synthesis (Optional)	Gene synthesis with codon optimization Subcloning Plasmid preparation	1-2 weeks	1. Purified recombinant antibody or protein 2. COA report
Pilot Expression	Transient transfection Pilot expression and purification		
Scale-up expression & purification	Transient transfection Large-scale expression and purification QC and delivery	4-6 weeks	
	Stable cell line construction Large-scale expression and purification QC and delivery	From 2 months	

GenCefe Recombinant Antibody & Protein Solution



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