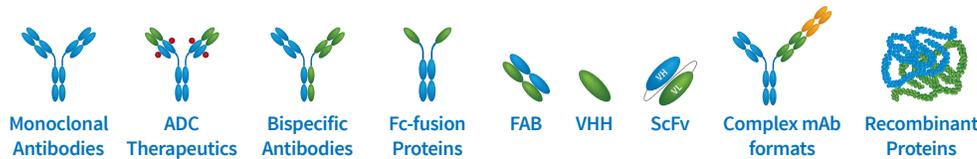




WuXi Biologics' industry-leading Protein Sciences (PS) Department produces high-quality proteins and antibodies to meet your schedule and requirements. No project is too large or small. Our team of experts can support the preparation of the most complex proteins or provide one to thousands of standard antibodies and proteins for your diverse needs, including early-stage research, lead candidate screening, immunizations, *in vivo* studies, biochemical assays, and other research purposes.

Projects can be structured by using a FTE or FFS model to meet your project needs. Our labs feature high-throughput expression and purification systems to maximize efficiency.



**Program Features:**

Projects start from customer-provided amino acid sequence (with codon optimization), DNA sequence, or plasmids

Deliver high-quality proteins suitable for most *in vitro* and *in vivo* studies

Provide comprehensive QC data

Expi293/HEK293 are default systems for non-antibody reagent proteins (non therapeutics)

Utilize our efficient, proprietary, high-yielding WuXian™ CHO-K1 for antibodies and other therapeutic proteins

NS0 are also used

**Other Proteins:**

- Intracellular
- Secreted
- Many tag options (his, flag, etc.)
- Non tagged
- Protein complex
- Antigens
- Fc fusions
- Cytokines (ILs, TNF, TGF $\beta$ , etc.)
- Fab, scFv & VHH
- ECD of cell surface receptors
- Membrane proteins
- Miniprotein
- sTCR, TCR-Ab & SCT

**WuXian™ Transient Platform**

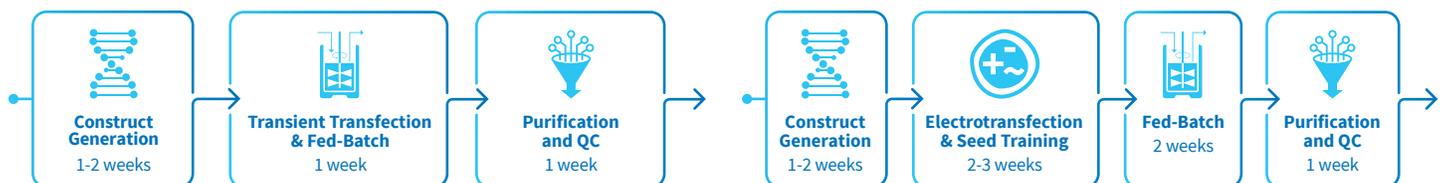
Timeline	Expression	Features
3-5 weeks	0.8 mL to 20 L transient	<ul style="list-style-type: none"> <li>Start from codon optimization or customer provided DNA</li> <li>Deliver product and QC data after 1-2 step purification</li> </ul>

- 4-7 days
- 300 mg/L - 2 g/L
- Cell: CHO, HEK293
- mAb/BsAb/recombinant protein
- 96 DWP - 20 L
- mg-g of protein for early discovery

**WuXian™ Express Platform**

Timeline	Expression	Features
6-7 weeks	20 mL to 100 L stable pool	<ul style="list-style-type: none"> <li>Start from codon optimization or customer provided DNA</li> <li>Deliver product and QC data after &gt;2 steps purification</li> </ul>

- 4-6 weeks
- Cell: CHO, HEK293, NS0
- 3.5 g/L
- mAb/BsAb/recombinant protein
- 20 mL - 100 L
- >5 g developability study and early CMC process development



## WuXian™ Transient Platform

High-throughput processes (up to 1,000 Ab/day) with up to 3-step automated purification is perfect for large-scale screening from AI-based designs. WuXian Transient provides high-yield, high-quality protein suitable for animal studies and other critical lead molecule assessment projects.

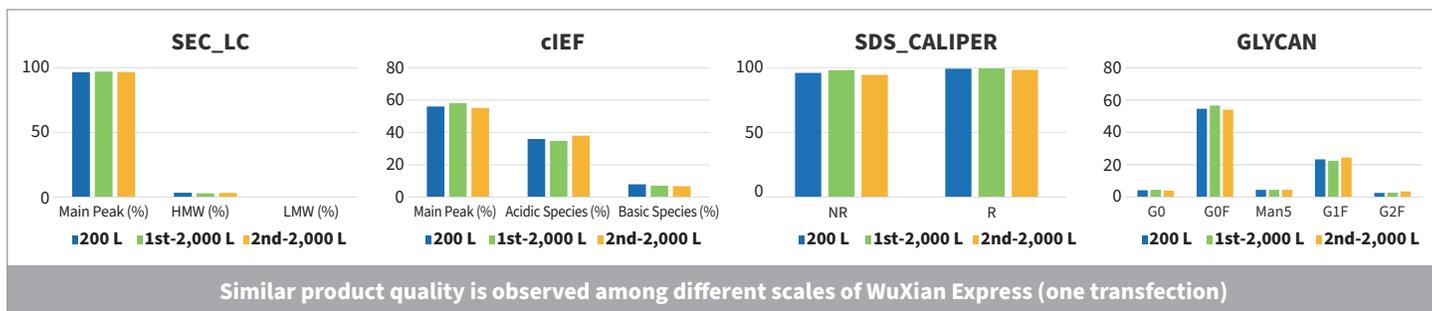
Popular Packages	Reference Yield	Timeline	QC
96 x 0.8 mL	100-800 µg	2 weeks	A280, Caliper (R/NR), and SEC-HPLC
24 x 3 mL	0.5-2 mg	2-3 weeks	
20 mL	3-10 mg, average 4.5 mg after 2-step purification	2-3 weeks	<0.5 EU/mg endotoxin control, QC incl. Titer, A280, Caliper (R/NR) or SDS-PAGE, SEC-HPLC
1 L	400-1,000 mg	3 weeks	
Additional QC	RP-HPLC, bioburden, DSF, DSC, SPR, LC/MS, SEC-MALS, peptide mapping, glycan profiling, cIEF, CHO HCP, residual DNA, ELISA, Western blot, freeze thaw study, micro-developability testing		

## WuXian™ Express Platform

If you need more than a few grams of protein (e.g., developability studies), stable pool expression via the WuXian Express Platform is ideal. Our stable pool easily produces high-quantity and high-quality protein in 5-6 weeks in a shaker flask, wavebag or bioreactor.

Popular Packages	Reference Yield	Timeline	QC
20 mL	20 mg	2-3 weeks	<0.5 EU/mg endotoxin control, QC incl. Titer, A280, Caliper (R/NR) or SDS-PAGE, SEC-HPLC
1 L - 25 L	1 - 25 g	6-7 weeks	
Additional QC	RP-HPLC, bioburden, DSF, DSC, SPR, LC/MS, SEC-MALS, peptide mapping, glycan profiling, cIEF, CHO HCP, residual DNA, ELISA, Western blot, freeze thaw study, micro-developability testing		

### Comparable Product Quality of Different Scales



## About WuXi Biologics

WuXi Biologics is a leading contract research, development and manufacturing organization (CRDMO) that provides end-to-end capabilities to healthcare organizations worldwide. With operations in China, the United States, Ireland, Germany, and Singapore, we enable our partners to effectively and efficiently bring biologics and vaccines to patients worldwide through our comprehensive and high-quality drug development model.

The world's leading global single-source platform from concept to commercialization.

wuxibiologics.com | info@wuxibiologics.com

**WuXi Biologics**  
Global Solution Provider

### Learn more:

Protein Sciences: Early-Stage R&D  
Mammalian Platform

