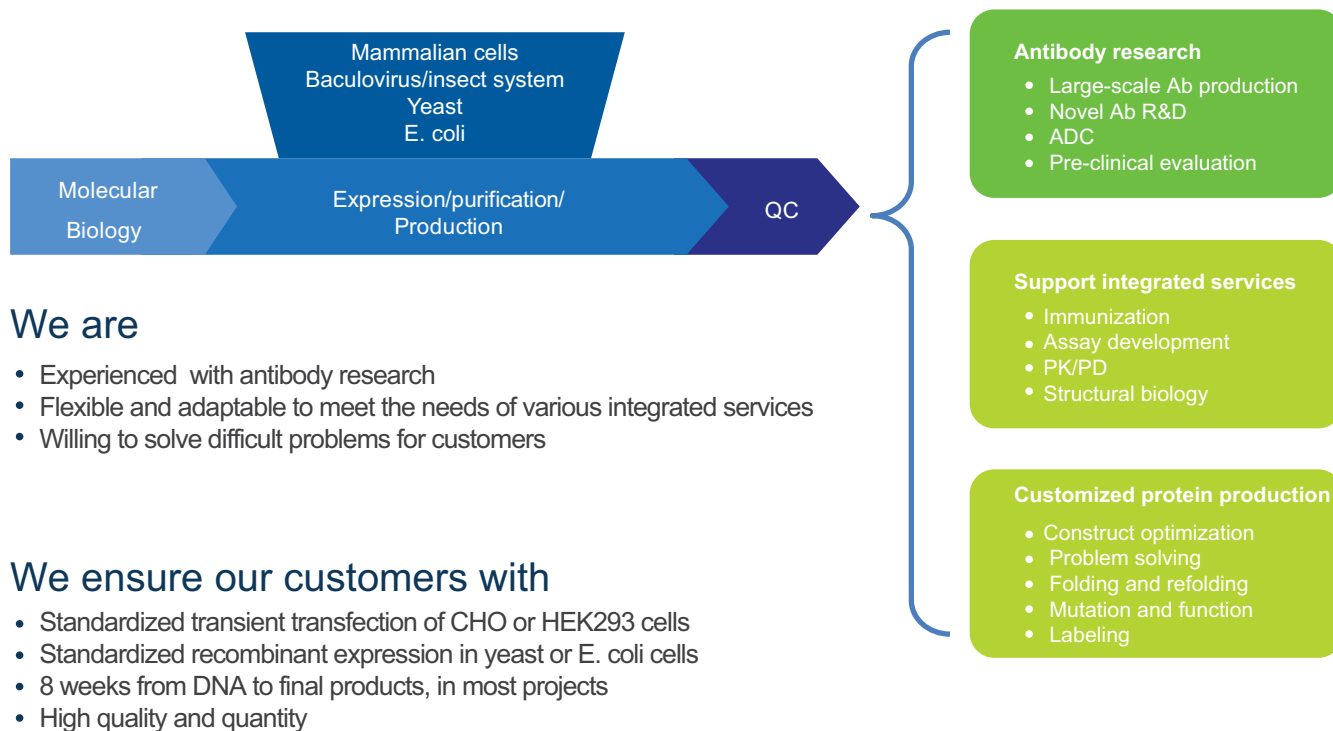
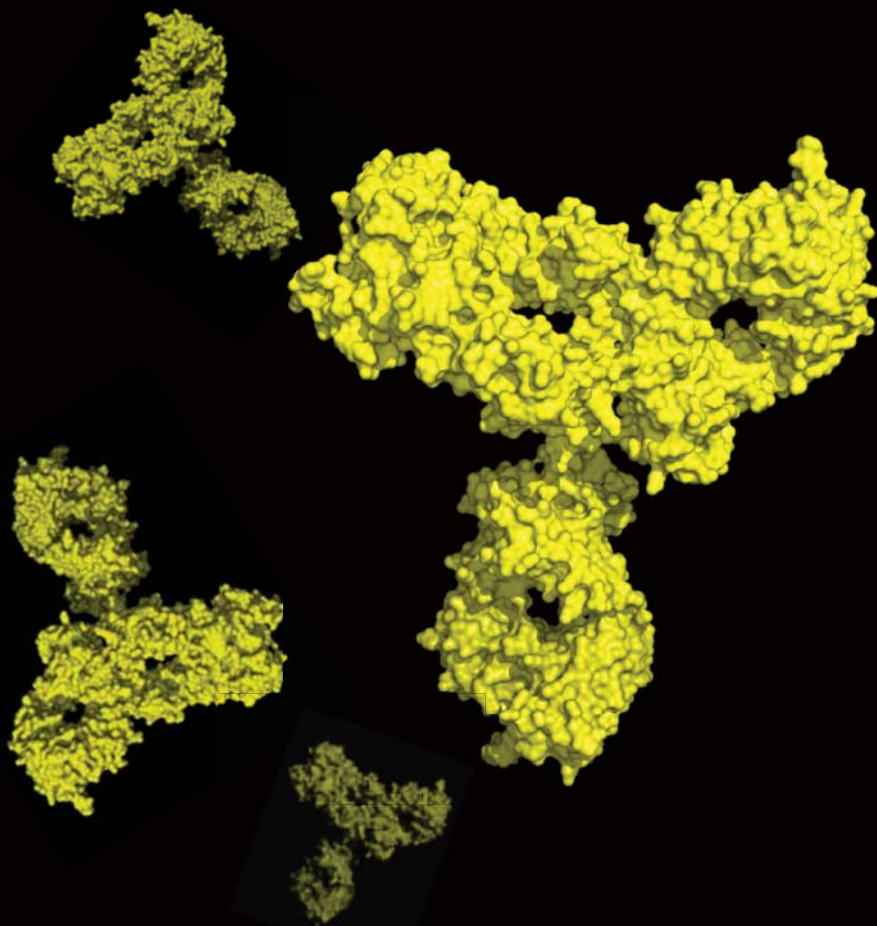


Protein Science

ChemPartner
Dedicated to LifeScience



We are

- Experienced with antibody research
- Flexible and adaptable to meet the needs of various integrated services
- Willing to solve difficult problems for customers

We ensure our customers with

- Standardized transient transfection of CHO or HEK293 cells
- Standardized recombinant expression in yeast or E. coli cells
- 8 weeks from DNA to final products, in most projects
- High quality and quantity

Contact

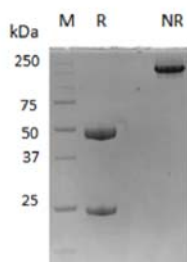
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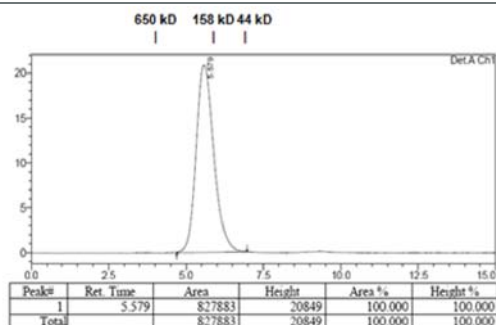
Abs/Ab fragments production

	2011	2012	2013	2014
Number of projects	> 50	> 100	>300	>500
Quantity (per project)	10-2000 mg			

Ab Name	Isotype	Host Cell	Exp Vol	Qty	SEC-HPLC	Endotoxin
XXX	hIgG1	CHO	20 L	>1900 mg	5.58 min, 100%	0.01 EU/m



SDS-PAGE (12%)



SEC-HPLC, Superdex 200 5/150 GL

- Transient transfection and expression in 50L CellBag using Wave system

- 2 g hIgG1 Ab recovered after affinity column followed by SEC, a yield of 100 mg/L

- Delivery of 2 g purified product in 8 weeks

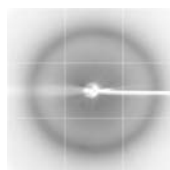
Integrated services & customized protein production (since 2013)

	Receptors/Ligands	Cellular signaling	Enzymes & complexes
Number of projects	> 100	>50	>400
Quantity (per project)	5-100 mg	5-100 mg	5-200 mg

Protein name	Qty	Purity	Mass Spec.	X-ray diffraction
Integrated service XXX	>20 mg	> 99%	Double peaks (poor homogeneity)	8.0 Å

Client protocol:

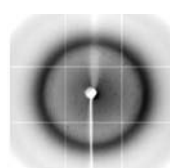
1. High yield but poor homogeneity
2. Poor crystal quality



Protein name	Qty	Purity	Mass Spec.	X-ray diffraction
Integrated service XXX	>10 mg	> 99%	Single peak (good homogeneity)	2.2 Å

Optimized protocol :

1. Extra purification step
2. Trade yield for homogeneity
3. Improved crystal quality



- Optimized purification protocol for client

- Largely improved homogeneity helped our Structural Group in X-ray crystallography work