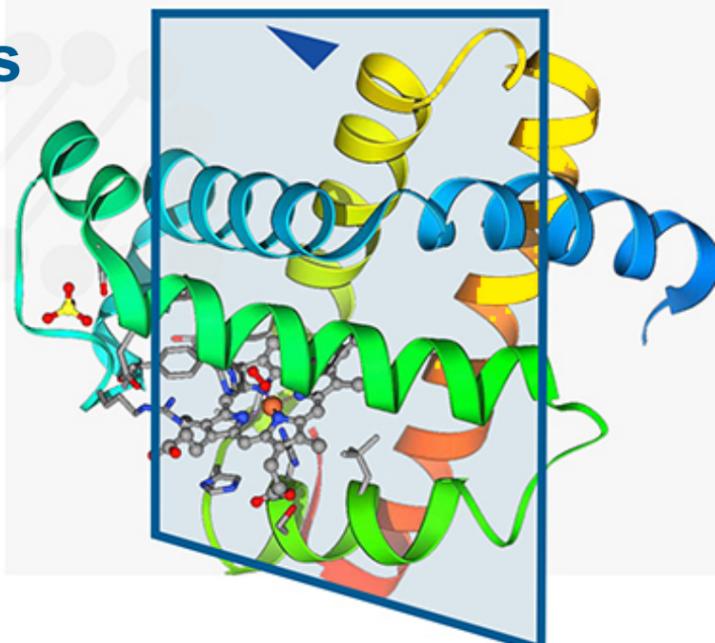


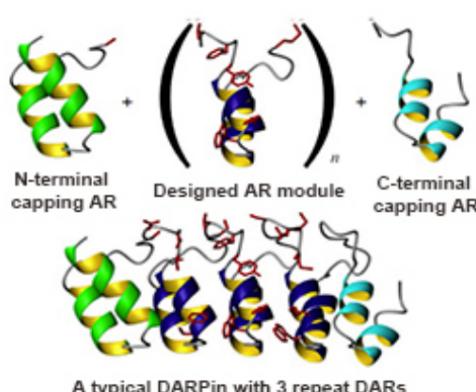
One-Stop DARPin Development Service from Creative Biolabs

Novel Candidates for Therapeutics & Diagnostics



What is DARPin?

DARPin, also known as designed [ankyrin repeat protein](#), is a novel class of nonimmunoglobulin scaffold proteins derived from natural ankyrin repeat proteins. DARPin is composed of three sections: an N-terminal capping AR, a C-terminal capping AR and several designed AR modules with multiple repeats.



A properly designed target-specific DARPin can be endowed with favorable characteristics for either diagnostic or therapeutic applications. It is a strong competitor for conventional IgG and is a better candidate that plays a key role as targeting cargo.

DARPin V.S. IgG

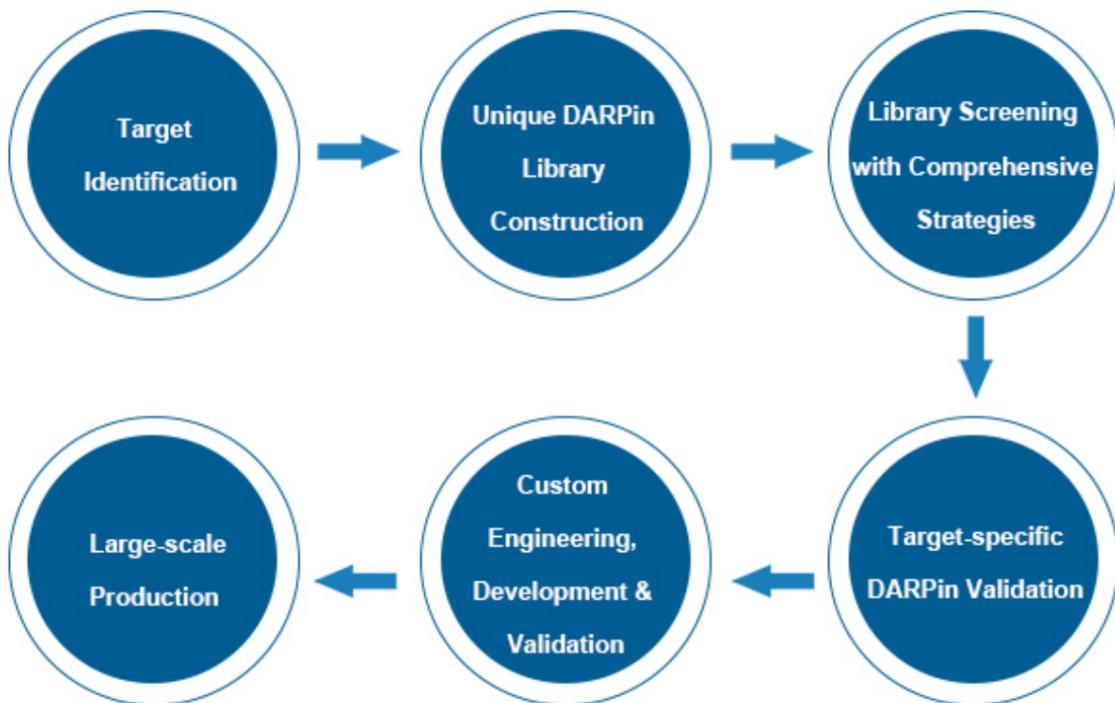
- Equivalent or More Attractive Properties

Favorable Properties	DARPin	IgG
Smaller size	~13 kDa	~150 kDa
Higher permeability	Recognize novel/hidden epitope	Steric hindrance for hidden epitope
Better productivity	Good yield in <i>E. coli</i> system with low aggregation tendencies	Mammalian expression system required
More suitable for intracellular applications	The absence of cysteines & reversible folding behavior	Intrinsic cysteine sites
Better developability	Multiple engineerable AR modules	Limited engineerable sites
Equivalent affinity	One digital pM level affinity can be achieved	
Equivalent wide applications	Available both diagnostic and therapeutic applications	

One-Stop Service from Creative Biolabs

Obtain Your Own DARPins within Three Months!

Creative Biolabs has over 10 years' extensive experience in the discovery and development of antibodies and antibody-mimic binders. Our Ph.D. level academic team is dedicated to providing comprehensive and professional services with high flexibility to our global clients.



Why choose Creative Biolabs?

- One-stop service to achieve your project objectives easily and smoothly
- Highly customized proposal to meet each of your specific demands
- Professional scientists to solve your puzzle
- Highly efficient team to push your project with the best quality
- Timely update to keep you abreast of project progress at each stage
- Elaborate report to show you each result with clear and reliable data

Do not hesitate to contact us for a free conversation, our scientists are pleased to tailor a best-fit proposal designed for your specific requirements!

Contact Us

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