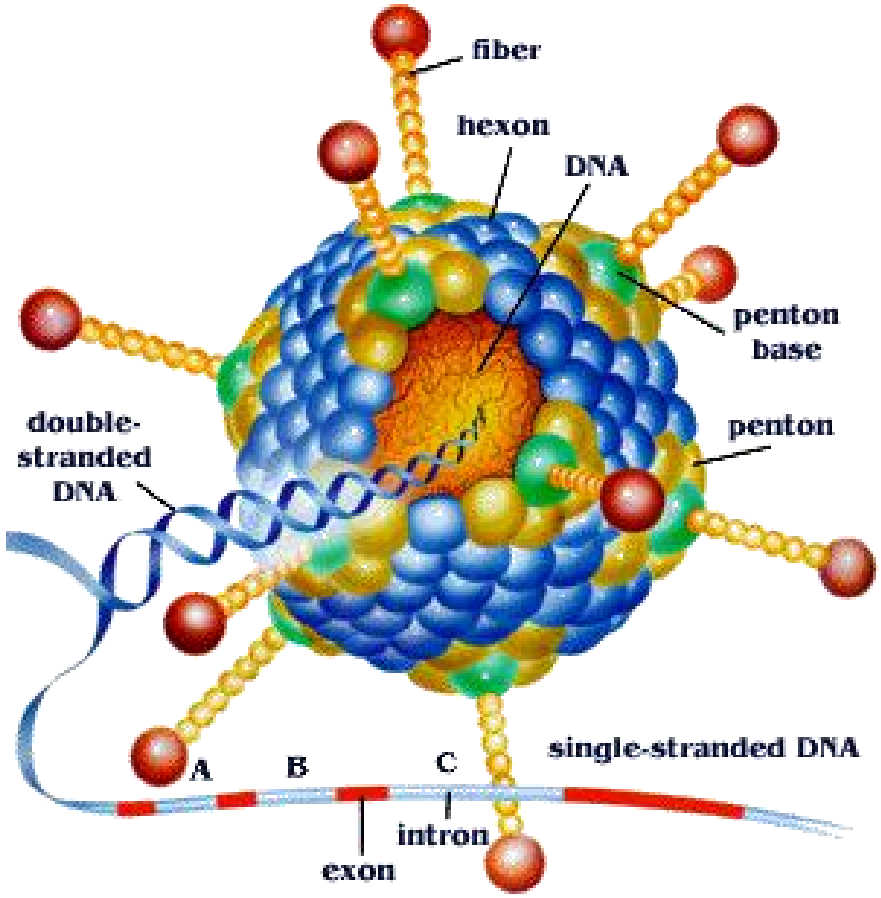
Creative Biogene

Adenovirus Services

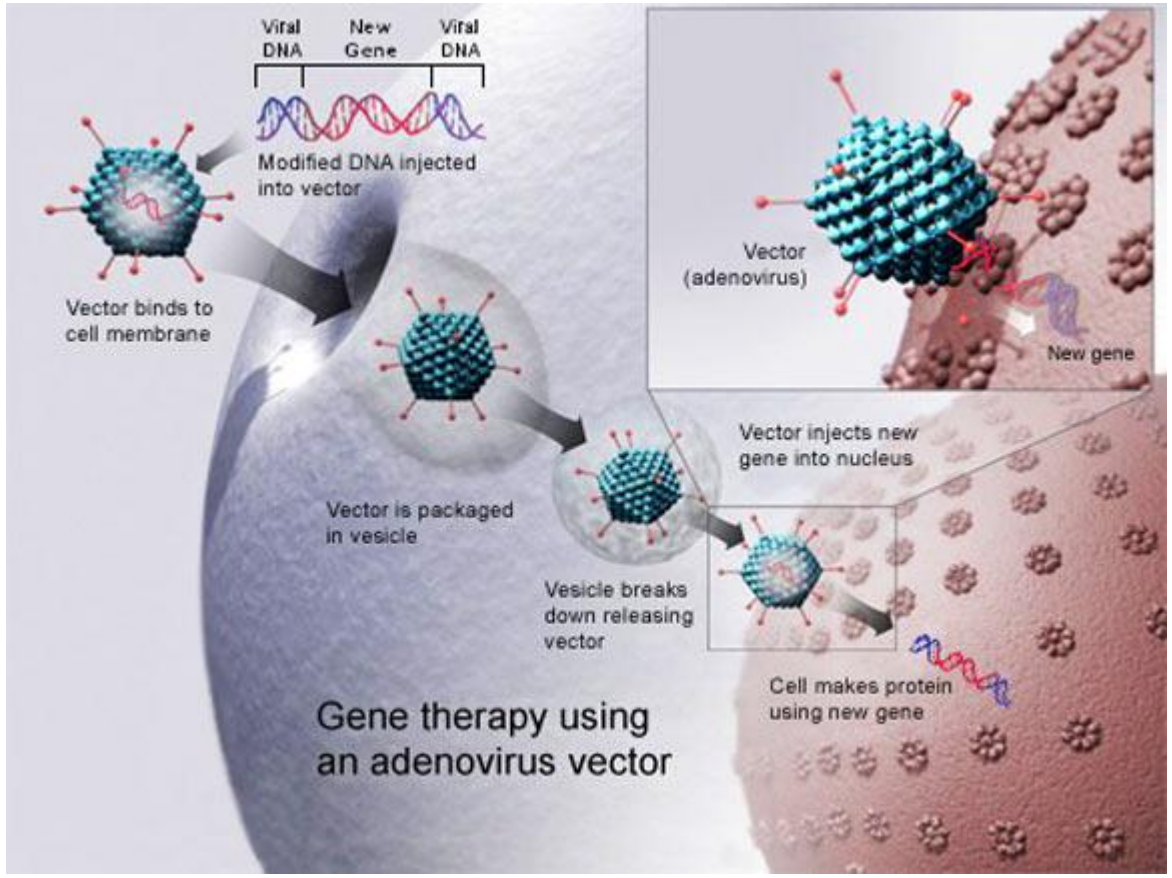
Email: info@creative-biogene.com
Website: http://www.creative-biogene.com

On Overview of Adenovirus



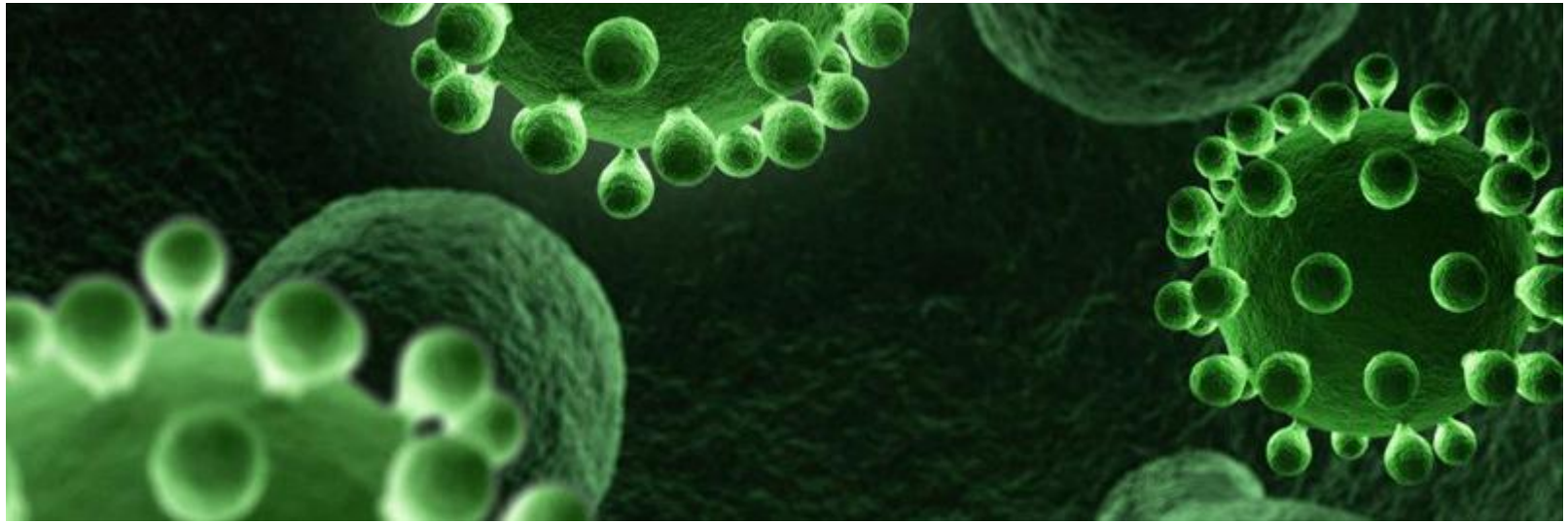
- Adenovirus, a DNA virus, was first isolated in the 1950s in adenoid tissue-derived cell cultures, hence the name. A large number of acute respiratory, gastrointestinal and eye infections in humans are caused by adenoviruses.
- Adenoviruses have a wide host range from monkeys, mice to humans. Adenoviruses are powerful research tools for investigating virological and cellular events.
- Adenoviruses have 50 different serotypes; however, the majority of molecular information about host-cell interaction is based on studies related to 2 and 5.

On Overview of Recombinant Adenovirus



- Recombinant adenoviruses are versatile and highly efficient tools used for gene delivery and expression in mammalian cells. They provide a versatile system for gene expression studies and therapeutic applications in mammalian cells.
- Numerous biological features of adenoviruses have made them the vector of choice for both *in vitro* and *in vivo* applications. They can infect a broad range of cell types with the highest efficiency.
- Additionally, their infection is not dependent on active host cell division. Another key feature for recombinant adenovirus is that high virus titers and high-level gene expression can be obtained in most mammalian cells.

Premade Adenovirus Particles At Creative Biogene



Recombinant adenoviral gene delivery systems have several features:

- Biosafety: Replication-incompetent (-E1/-E3) human adenovirus type 5 (Ad5);
- High gene expression level in a broad range of hosts, including both dividing and non-dividing mammalian cells;
- No host genome integration;
- Gene expression can generally be observed in less than 24 hours;

Premade Adenovirus Particles At Creative Biogene

Premade Adenovirus for Gene Expression

Cat#	Product Name	Titer	Product Size	Species	Price
AD00238Z	Human PRKD3 adenoviral particles	1x10^10~1x10^11 PFU/ml	1 x 0.2 ml	Human	Online Inquiry
AD00237Z	Human PRKD2 adenoviral particles	1x10^10~1x10^11 PFU/ml	1 x 0.2 ml	Human	Online Inquiry
AD00236Z	Human PRKD1 adenoviral particles	------	1 x 0.2 ml	Human	Online Inquiry
AD00235Z	Human PRDM16 adenoviral particles	1x10^10~1x10^11 PFU/ml	1 x 0.2 ml	Human	Online Inquiry
AD00234Z	Human PPP1CC adenoviral particles	1x10^10~1x10^11 PFU/ml	1 x 0.2 ml	Human	Online Inquiry
AD00233Z	Human PPP1CB adenoviral particles	1x10^10~1x10^11 PFU/ml	1 x 0.2 ml	Human	Online Inquiry
AD00232Z	Human PPP1CA adenoviral particles	1x10^10~1x10^11 PFU/ml	1 x 0.2 ml	Human	Online Inquiry
AD00201Z	Human MAGEA3 adenoviral particles	1x10^10~1x10^11 PFU/ml	1 x 0.2 ml	Human	Online Inquiry
AD00200Z	Human LOXL2 adenoviral particles	1x10^11~1x10^12 PFU/ml	1 x 0.2 ml	Human	Online Inquiry
AD00199Z	Human LETC1 adenoviral particles	1x10^10~1x10^11 PFU/ml	1 x 0.2 ml	Human	Online Inquiry

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Premade Adenovirus for miRNA Expression

Cat#	Product Name	Titer	Product Size	Species	Price
AD00428W	Human mir1231 Adenovirus Particles	1X10^9 viral particles/ml	1 x 0.2 ml	Human	Online Inquiry
AD00429W	Human mir3680-5p Adenovirus Particles	1X10^9 viral particles/ml	1 x 0.2 ml	Human	Online Inquiry
AD00430W	Human mir3680-2 Adenovirus Particles	1X10^9 viral particles/ml	1 x 0.2 ml	Human	Online Inquiry
AD00431W	Human mir3680-3p Adenovirus Particles	1X10^9 viral particles/ml	1 x 0.2 ml	Human	Online Inquiry
AD00432W	Human mir3680-2 Adenovirus Particles	1X10^9 viral particles/ml	1 x 0.2 ml	Human	Online Inquiry
AD00463W	Human mir5193 Adenovirus Particles	1X10^9 viral particles/ml	1 x 0.2 ml	Human	Online Inquiry
AD00464W	Human mir3125 Adenovirus Particles	1X10^9 viral particles/ml	1 x 0.2 ml	Human	Online Inquiry
AD00465W	Human mir449c Adenovirus Particles	1X10^9 viral particles/ml	1 x 0.2 ml	Human	Online Inquiry
AD00466W	Human mir449c Adenovirus Particles	1X10^9 viral particles/ml	1 x 0.2 ml	Human	Online Inquiry
AD00467W	Human mir4253 Adenovirus Particles	1X10^9 viral particles/ml	1 x 0.2 ml	Human	Online Inquiry

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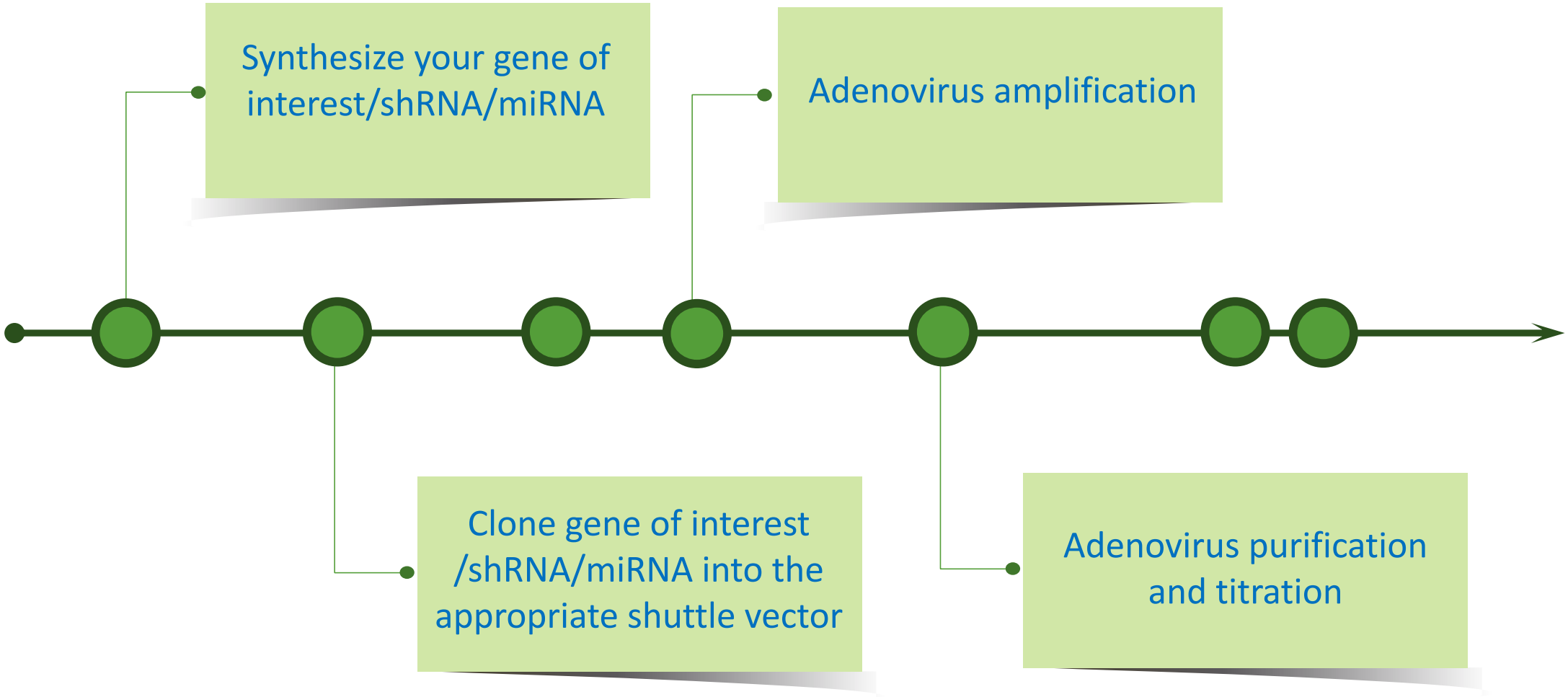
Adenovirus Services At Creative Biogene

There is no question that the adenovirus is the most effective means of delivering genes *in vivo* and *in vitro*. However, construction of adenovirus vectors and virus packaging is time-consuming and labor-intensive.

Creative Biogene is a biotechnology company specializing in custom adenovirus production service. Our state-of-the-art facilities and highly experienced staff are available in order to assist in all areas of adenovirus vector design and construction, as well as the generation of the adenovirus in high titer for use in research.

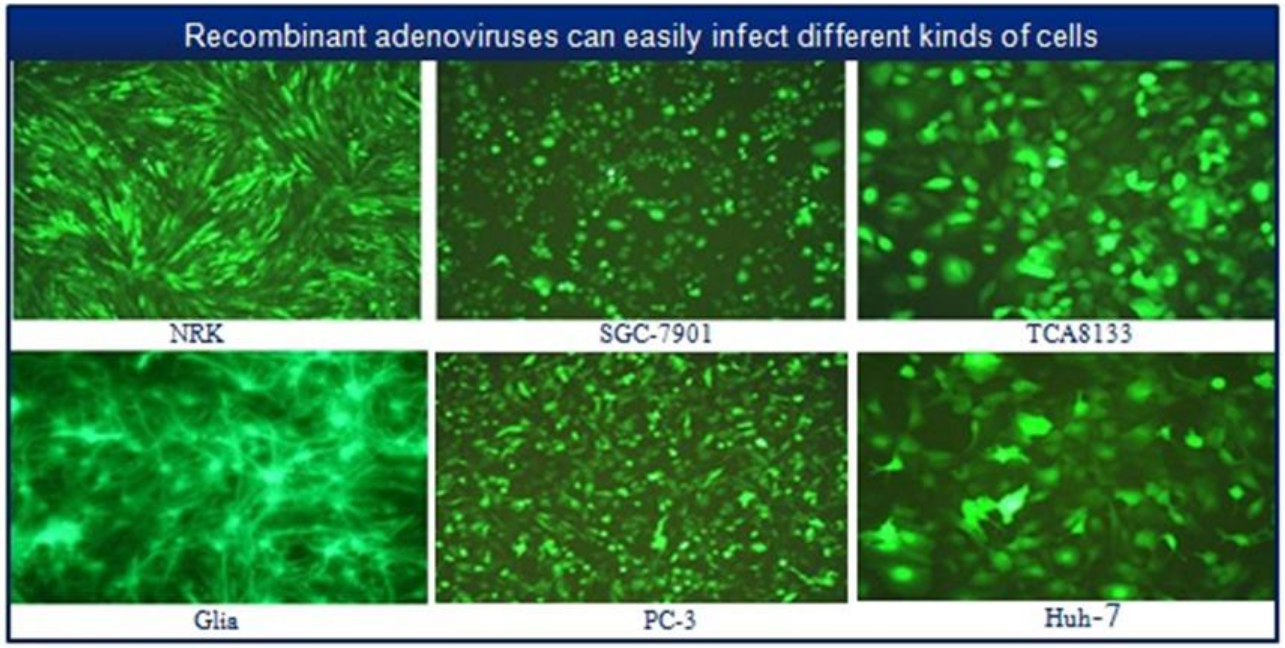
Adenovirus Services At Creative Biogene



Adenovirus Services At Creative Biogene

The applications of our services include but are not limited to:

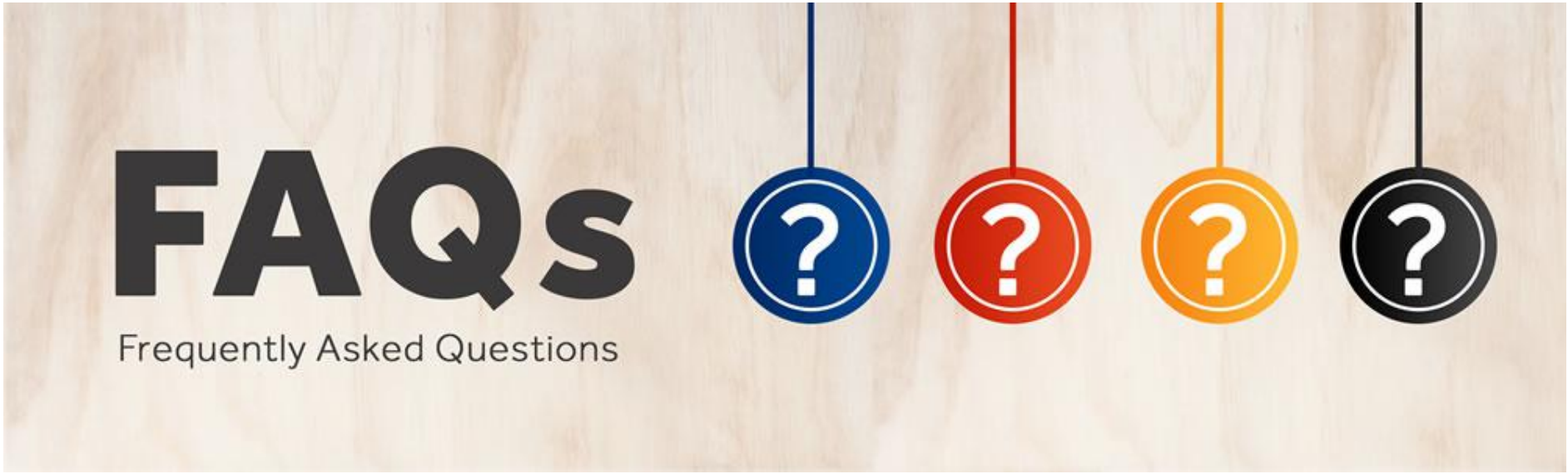
- Transient gene expression(cDNA, shRNA, miRNA etc.) *in vivo* and *in vitro*;
- Transient two or more transgenes expression from the same vector;
- Vectors containing two genes of interest;
- Vectors containing your gene of interest in the E1 region and a reporter gene in the E3 region.



Advantages of Adenovirus Services At Creative Biogene

- ✓ One-stop solution: from DNA synthesis to adenovirus production
- ✓ Offer custom construction of adenovirus shuttle plasmid with different promoters or tags
- ✓ Multiple cloning systems: E1 and E3 deletion, E1 intact and E3 deletion, E1 deletion and E3 intact
- ✓ Produce high titer adenovirus particles suitable for *in vitro* cell experiments or *in vivo* animal tests
- ✓ Fast turnaround time: typically in a few of weeks to save your precious time for research
- ✓ Cost-saving: provide high-quality adenovirus particles with competitive price

creative biogene BIOTECHNOLOGY



1. What is the required biosafety level for handling recombinant adenovirus?
2. Which precautions should I take while working with adenovirus?
3. Is gene expression from recombinant adenovirus transient or stable?
4. Is recombinant adenovirus toxic to host cells?
5. Are adenoviruses replication deficient?
6. How can I find out whether adenovirus will work well in my cell models?
7. What are the recommended storage conditions of recombinant adenoviruses?

https://www.creative-biogene.com/support/custom-adenovirus-service.html

THANKS

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