



Adenovirus Production Services

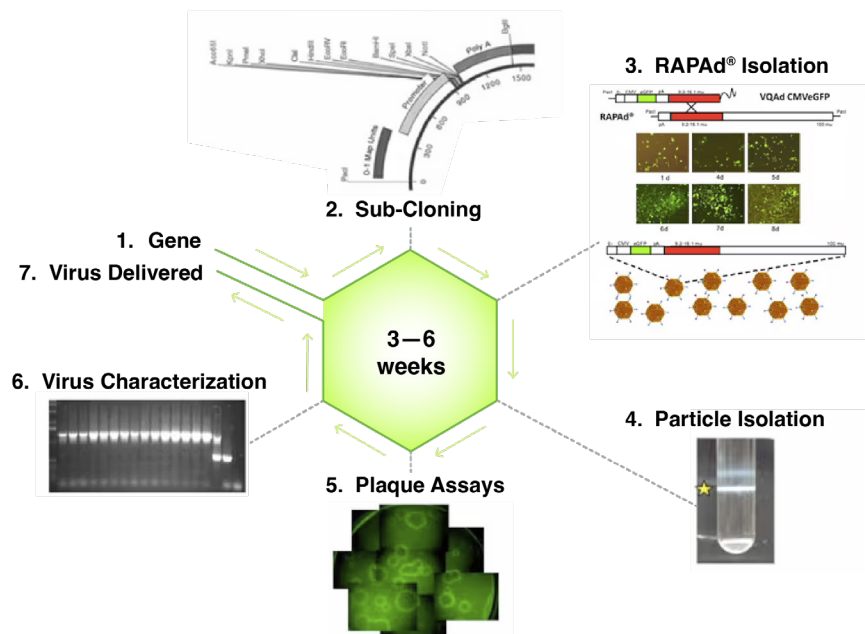
Powered by ViraQuest's experience and expertise, our scientists are here to assist you from the initial subcloning design to amplification and purification to the final quality control of your new virus construct.

Virus Production through RAPAd® Technology: High Titer Virus That's Fast and RCA-Free!

Fast: Our RAPAd® expression system eliminates the need for bacterial *in-vitro* recombination and multiple plaque purifications. This streamlined system uses a simple shuttle plasmid to allow subcloning in a single step and then transfection with the remaining adenovirus backbone. We can produce your custom adenovirus particles in as little as 3 weeks.

Contaminant-Free: The true innovation in the RAPAd® system is in the novel backbone, which is designed to be incapable of packaging and replication. This greatly reduces RCA wild-type contamination in the final vector preparations.

Dual expressers: Two genes, one vector: The RAPAd® system can use any E1 shuttle plasmid in conjunction with any E3 backbone, allowing multi-gene expression from a single vector. Making your virus with a second gene may be a transfection away!



Anderson RD, Haskell RE, Xia H, Roessler BJ, Davidson BL. *Gene Ther.* 2000 Jun;7(12):1034-8. doi: 10.1038/sj.gt.3301197. PMID: 10871752.

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Adenovirus Products

Shuttle plasmids and adenovirus reagents for your research.

Shuttle Plasmids

Our shuttle plasmids have multiple restriction sites and are perfect for cloning your gene of interest.

Plasmid	Number of Restriction Sites	Promoter
pVAd AscI-NpA	12	No Promoter
pVQAd RSV K-NpA	11	Rous Sarcoma Virus LTR
pVQAd CMV K-NpA	10	Cytomegalovirus

Ready-Made Adenoviruses

Ready-made adenoviruses (VQAd) are generally in stock and can ship anytime, or can be ready in as little as 2 weeks. These particles are CsCl purified and supplied in 1 mL aliquots at 1×10^{12} particles/mL. These preps are RCA free and PFU titered.

Recombinant Viruses			
VQAd AikPhos	VQAd Empty	VQAd LSL eGFP	VQAd ntLacZ
VQAd AikPhos-GFP	VQAd FGF 12	VQAd Luciferase	VQAd Ovalbumin
VQAd CD54	VQAd GM-CSF2	VQAd mCherry	VQAd P53
VQAd CME Cre	VQAd hTSHR 289	VQAd mCherry Fiber 35	VQAd shRNA (control)
VQAd Cre/eGFP	VQAd hVEGF 165	VQAd mouse AFP eGFP	VQAd shRNA (control) GFP
VQAd CXCL 10	VQAd hVEGF 165-GFP	VQAd mouse TGFb	VQAd swine NRF2
VQAd Cyto LacZ	VQAd IL-12	VQAd mPCK1	VQAd swine NRF2/eGFP
VQAd eGFP	VQAd IL-18	VQAd NR4A3 (Nor 1)	VQAd YFP
VQAd eGFP F35	VQAd IL-24	VQAd NR4A3 (Nor1) myc FLAG	—

Wild-Type Virus Particles			
VQAd 3 WT	VQAd 5 W	VQAd 26 WT	VQAd 37 WT
VQAd 4 WT	VQAd 8 WT	VQAd 35 WT	—

More Reagents

Mouse AD-1 (FL strain) A195 Buffer ELISA plates coated with VQAd5

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