VIROVEK

AVAILABLE PRE-MADE* CONTROL VECTORS

EXPRESSION CASSETTE	AAV1	AAV2					AAV3	AAV4	AAV5			AAV6		AAV8		AAV9			AAV10	AAV (other)	
	1	2	7m8	retro	ShH10	Y444F	3	4	5	5.2	scAAV5	6	Y705+731F	8	8.2	9	9-5C	scAAV9	shH10	DJ	PHP.eB
ApoE/hAAT-GFP	●									●				●	●						
CAG-DIO-rev-mCherry																●					
CAG-FLEX-DTA-IRES-mCherry																●					
CAG-FLEX-GFP																●					
CAG-FLEX-rev-mCherry																●					
CAG-GFP	●	●		●					●	●		●		●	●	●					
CAG-GFP-WPRE	●																				
CAG-mCherry	●	●										●		●							
CBA-GFP	●	●								●				●		●				●	
CBA-GFP-STUFFER-KanR		●																			
CK8-Cas9																●					
CMV-Cre	●			●					●			●				●					
CMV-Cre-2A-GFP																●					
CMV-Cre-2A-tdTomato																					
CMV-Cre-IRES-GFP	●	●								●		●				●					
CMV-Cre-SV40PY														●							
CMV-FLEX-SaCas9																					
CMV-GFP	●	●	●		●				●	●	●	●	●	●		●				●	●
CMV-GFP-SV40Pa																●					
CMV-LacZ									●												
CMV-Luciferase	●	●												●		●				●	●
CMV-mCherry		●												●							
CMV-MTS-roGFP																●					
CMV-NLS-SaCas9		●												●							
CMV-RFP	●									●				●	●	●					
EF1a-DIO-rev-GFP														●							
EF1a-DIO-Synaptophysin-mCherry														●							
EF1a-DIO-tdTomato-rev-GFP														●		●					
EF1a-GFP	●	●								●		●		●						●	
EF1a-GFP-hGFpA									●												
EFS-SpCas9														●							
Empty	●	●	●				●		●			●		●	●	●					●
Hcd11b-Cre																●					
hSyn-Cre-2A-tdTomato-SV40A																●					
Luciferase			●																		
Synapsin-DIO-rev-GFP																●					
Synapsin-DIO-rev-YFP															●						
Synapsin-GFP	●	●	●						●	●		●				●	●	●			
Syn-GFP-SV40Pa																●					
Synpasin-mCherry	●	●							●	●		●		●		●					
TH-GFP														●		●					
U6-Scrambled-CMV-GFP																●					

We are constantly adding to this existing inventory of AAV Control Vectors, so please let us know if your specific control is not listed. Any combination of the serotype/promoter/reporter gene will be produced in 3-4 weeks.

Recombinant AAV Vectors Generated by Virovek
Traditionally, AAV vectors were produced in human embryonic kidney HEK293 cells through three plasmid transfection method in which one plasmid carried the AAV rep/cap genes, a second the adenovirus helper genes, and a third the gene of interest flanked with two AAV ITRs. Virovek developed a new technology for large scale AAV vector production in insect cells utilizing the baculovirus expression system. In this new technology, AAV vectors are produced in Sf9 cells under serum-free condition through infection with two recombinant baculoviruses, one carrying the AAV rep/cap genes, and a second carrying the gene of interest flanked by two AAV ITRs. The AAV vectors are purified through two rounds of cesium chloride ultracentrifugation to ensure their purity. Salts are removed from the AAV samples and buffer-exchanged by two rounds of desalting columns. After filter-sterilization, the genome copy number of the AAV vectors is determined by quantitative real-time PCR assay and the AAV vectors are ready and have been proven with great success for in vivo or in vitro studies.

How to read this chart:

Virovek's available expression cassettes are listed as rows. Available AAV serotypes are listed as columns. If the cell corresponding to a certain row & column is filled (i.e. has a blue circle inside it), Virovek has some remaining premade AAV in stock produced using that particular expression cassette, packaged in that particular capsid. Get it before it's gone.

Virovek has the genes for every expression cassette and serotype on this chart in its inventory, regardless of whether or not any cells for it are filled. Virovek can readily produce AAV using any combination of these expression cassettes and capsids for you in a custom project, granted that you have the rights to use those components (as stated in the notice at the bottom of the first page).