

In-Stock Viral Vectors

Addgene's viral vector packaging service provides high-quality and high-titer AAV and lentiviral preparations, made from plasmids distributed through our repository.

Lentivirus

- Pooled CRISPR Libraries
- Cas9
- Pooled Barcoding Libraries

LV preps are titered using ddPCR, and the proviral identity is confirmed by PCR.

AAV

- Biosensors
- Chemogenetics
- Optogenetics
- Recombinases
- Fluorescent Proteins
- and much more!

AAV preps are purified by iodixanol gradient ultracentrifugation and concentrated to purity and titers adequate for in vivo studies. Titer is measured by ddPCR. Addgene ensures high quality viral vectors by optimizing production protocols and performing rigorous quality control including purity assessment, viral genome sequencing, and in vitro sterility and expression testing.

Available in serotypes:

AAV1	AAV8	PHP.S	rh10	MaCPNS1
AAV2	AAV9	PHP.V1	Cap-B10	MaCPNS2
AAV5	PHP.eB	AAVrg	Cap-B22	NEW! AAV9-X1.1

Browse all **800+ viral vectors** and find additional information on our website!

addgene.org/viral-service



Lentivirus

Category	Cargo	Species	Depositor
Pooled CRISPR Libraries	Brunello, Brie	Human	David Root, John Doench
Cas9	lentiCas9-Blast	<i>S. pyogenes</i>	Feng Zhang
Pooled Barcoding Libraries	CellTag and CellTag-Multi		Samantha Morris

AAV

Category	Cargo	Serotype	Depositor
Chemogenetics (DREADDs, PSAMs)	pAAV-hSyn-DIO-hM3D(Gq)-mCherry	1, 2, 5, 8, 9, rg, PHP.eB	Bryan Roth
	pAAV-hSyn-DIO-hM4D(Gi)-mCherry	1, 2, 5, 8, 9, rg, PHP.eB	Bryan Roth
	AAV SYN flex PSAM4 GlyR IRES EGFP	5, 9	Scott Sternson
Optogenetics (ChR, ChRmine, Arch, eNpHR)	pAAV-EF1a-double-floxed-hChR2(H134R)-mCherry-WPRE-HGHpA	1, 5, 8, 9, rg	Karl Deisseroth
	pAAV-hSyn1-SIO-eOPN3-mScarlet-WPRE	1, 5	Ofer Yizhar
	pAAV_hSyn-PdCO-EGFP-WPRE	1, 5	Ofer Yizhar
	hSyn-DIO-somBiPOLES-mCerulean	5, 9, rg	Simon Wiegert
Recombinases (Cre, Flp, Dre, VCre)	AAV.TBG.PI.Cre.rBG	8	James M. Wilson
	pAAV-hSyn-Cre-P2A-dTomato	1, 2, 5, 8, 9, rg, PHP.eB	Rylan Larsen
	pAAV-EF1a-Flpo	1, 2, rg	Karl Deisseroth
	AAV phSyn1(S)-DreO-bGHpA	5, rg	Hongkui Zeng
Biosensors (for calcium, dopamine, voltage)	Various jGCaMP8 constructs	1 9, rg (additionally some in AAV5 and PHP.eB)	GENIE Project, Loren Looger, Marianne Fyhn
	pAAV-hsyn-GRAB_DA2m	9	Yulong Li
	AAV-CAG-dLight1.3b	1, 5, 9	Lin Tian
	pGP-AAV-syn-FLEX-Volton2-ST-WPRE	1	GENIE Project
BRAIN Armamentarium Collection	CN3044 - SYFP2 expression in striatal direct pathway medium spiny neurons	PHP.eB	The Allen Institute for Brain Science
	CN1851 - Cre expression in forebrain GABAergic interneurons	PHP.eB	The Allen Institute for Brain Science