



Plasmids for Neuroscience

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- **170,000+ cutting-edge tools:** for high-throughput screening and disease modeling in neurobiology
- **Publication-backed:** plasmids are supported by scientific publications
- **NGS sequence-verified:** ensures construct accuracy and reliability
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Plasmids for every experimental need:

Disease Modeling	CRISPR Tools	Broad variety of Cas nucleases, CRISPRi and CRISPRa tools, base editors, prime editors, and guide-only vectors
	Gene Editing	Recombinases (Cre, Flp, Dre, and more), zinc fingers, TALENs, and integrases
	Neurodegenerative Diseases	APP, APOE, FUS, HTT, LRRK2, MAPT/Tau, SNCA/α-syn, SOD1 variants, and more
Screening	Biosensors & Live Imaging	Optogenetics tools, chemogenetics tools, calcium indicators (GCaMPs), voltage sensors, and reporters/barcodes
	Imaging & Reporters	Fluorescent proteins and luciferase reporters (nanoLuc®, Halo®, BiT®, and more)
	Protein Tagging & Localization	Fluorescent protein and luciferase fusion backbones, epitope tags (FLAG/HA/Myc), TurboID/APEX proximity labeling, and localization tags (NLS/NES/mito/ER)

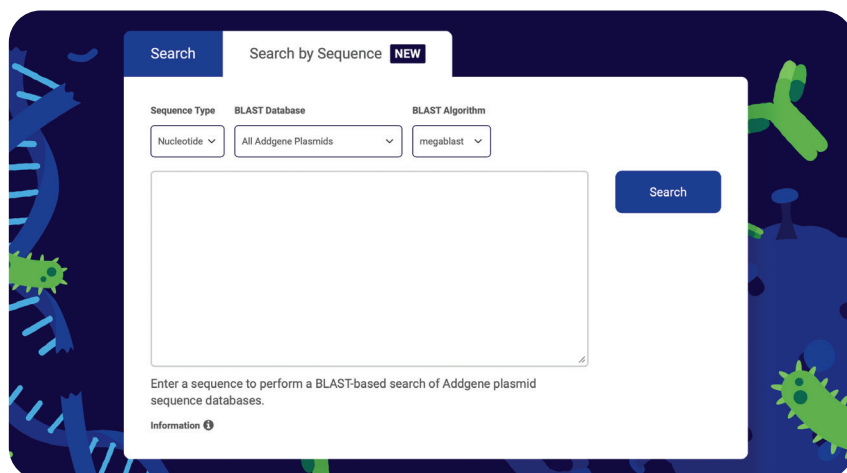
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Find the right plasmid faster

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- **Publication:** use the PubMed ID or article name
- **Curated collections:** BRAIN Initiative Collection, Neurodegeneration Research Collection, CRISPR, etc.
- **Depositor:** Principal Investigator or organization
- **Sequence:** enter a nucleotide or amino acid sequence of interest



NEW! Search by Sequence

Scientific Support

Here when you need us

Our expert Scientific Applications team is ready to help you compare plasmids, troubleshoot issues, and connect you with new resources. Contact help@addgene.org for assistance.



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Get started at addgene.org



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