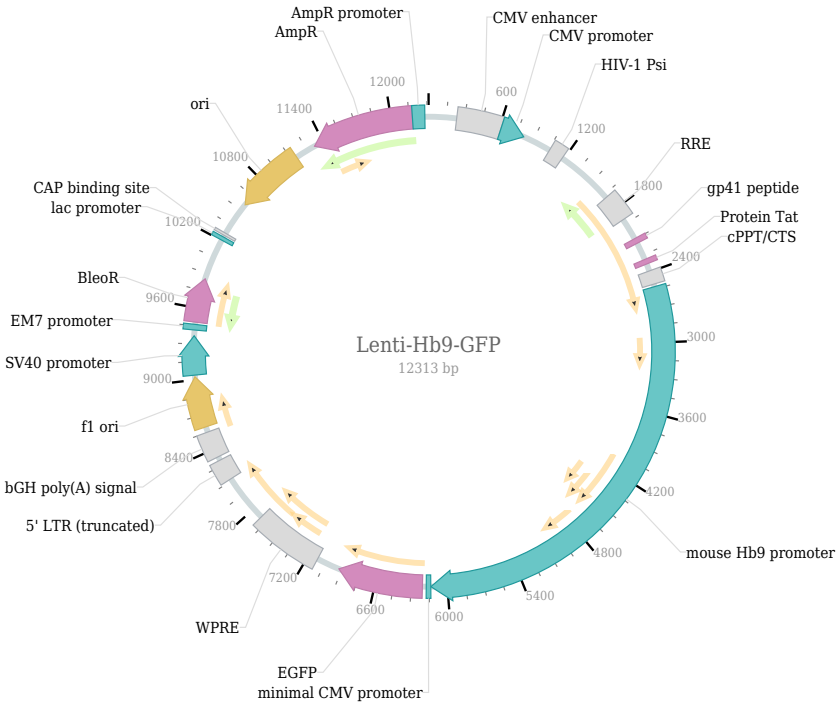
Lenti-Hb9-GFP

Vector ID	V014416
Antibiotic Resistance	Ampicillin
Length	12313 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Promoter	Hb9
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	Lenti-Hb9-GFP is a 3rd generation lentiviral transfer plasmid for Hb9 GFP. The Hb9 (Mnx1) promoter is a mouse-derived cis-regulatory element exclusive to postmitotic motor neurons. It specifically drives reporter genes (GFP/RFP) only in mature cholinergic motor neurons, with no leaky expression in glia, fibroblasts or other neuronal subtypes. Cross-species compatible in human stem cell-derived neurons, it is widely used in lentiviral vectors for live imaging, FACS sorting and ALS drug screening.

Vector Map



Plasmid Resuspension Protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add sterile water to dissolve the DNA: add 20 µl for 5 µg plasmid, and 100 µl for 100 µg plasmid.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom. Speed is less than 5000×g.
5. Store the plasmid at -20 ℃.