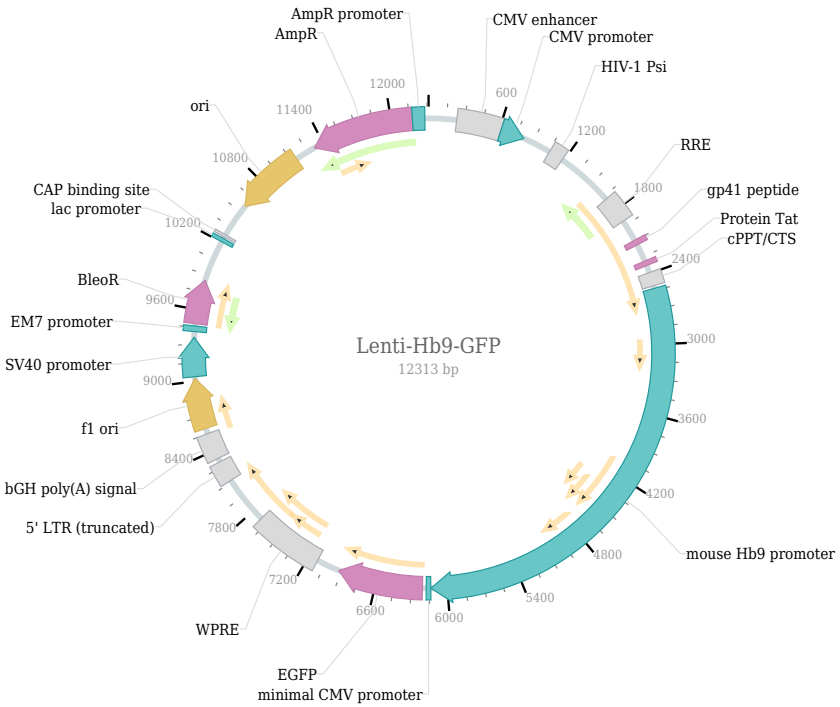
# Lenti-Hb9-GFP

| | |
|---|---|
| **载体编号 Vector ID** | V014416 |
| **抗性 Antibiotic Resistance** | Ampicillin |
| **长度 Length** | 12313 bp |
| **载体类型 Vector Type** | Protein expression |
| **宿主 Host** | Mammalian cells, Lentivirus |

## 产品信息

| | |
|---|---|
| **复制子 Replication Origin** | ori |
| **启动子 Promoter** | Hb9 |
| **培养菌株 Growth Strain(s)** | Stbl3 |
| **培养温度 Growth Temperature** | 37℃ |
| **备注 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. |

## 质粒图谱



## 复溶方法

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 ℃.