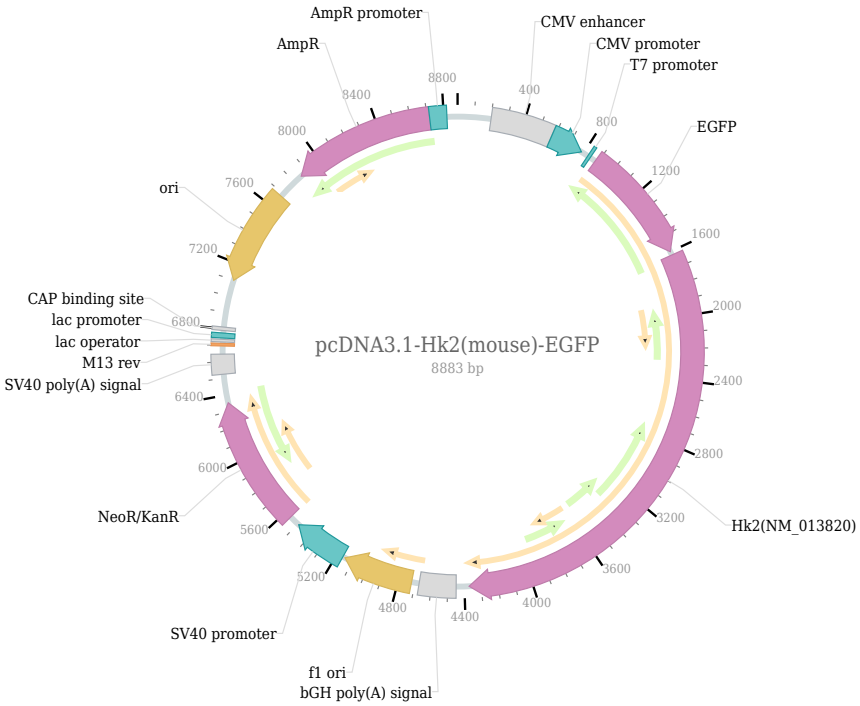
pcDNA3.1-Hk2(mouse)-EGFP

Vector ID	V024187
Accession ID	NM_013820.4
Antibiotic Resistance	Ampicillin
Length	8883 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418;EGFP
Promoter	CMV
5' Primer	CMV-F□CGCAAATGGGCGGTAGGCGTG
Fusion Tag	EGFP
Growth Strain(s)	DH10B
Growth Temperature	37℃
Expression Method	Transient
Comment	It is designed for constitutive expression of a mouse Hk2-EGFP fusion protein driven by the strong CMV promoter. The vector facilitates selection in mammalian cells via the NeoR/KanR gene and includes standard elements for bacterial propagation and plasmid maintenance, such as the AmpR gene, origin of replication (ori), and SV40 poly(A) signal.

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 ℃.