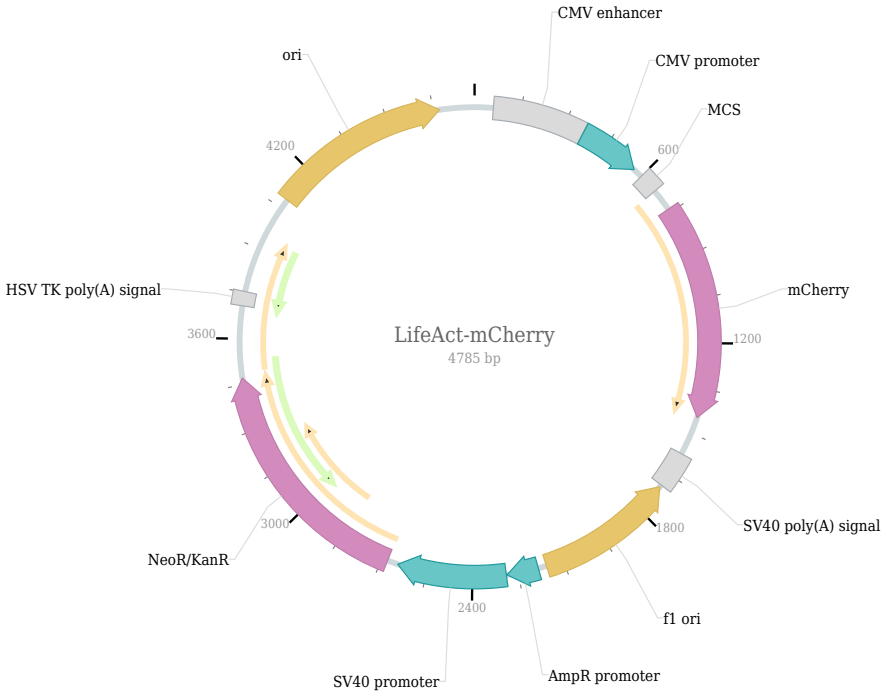
LifeAct-mCherry

Vector ID	V014863
Antibiotic Resistance	Kanamycin
Length	4785 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Copy Number	High copy number
Promoter	CMV
5' Primer	CMV-F
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	This is a 4785 bp mammalian expression vector featuring the LifeAct sequence fused to mCherry, driven by a strong CMV promoter. It is designed for visualizing filamentous actin dynamics in live cells. The plasmid includes the NeoR/KanR gene for antibiotic selection and the SV40 promoter for additional cloning flexibility. It also contains the HSV TK poly(A) signal, f1 ori, and AmpR for bacterial propagation.

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 ℃.