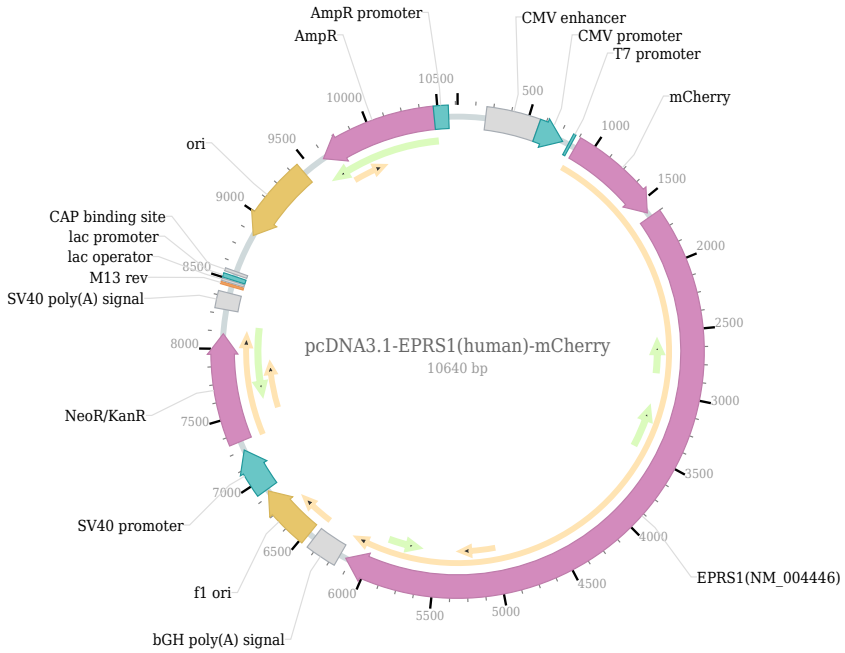
pcDNA3.1-EPRS1(human)-mCherry

Vector ID	V029792
Accession ID	NM_004446.3
Antibiotic Resistance	Ampicillin
Length	10640 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418;mCherry
Promoter	CMV
5' Primer	MCHERRY-F
Fusion Tag	mCherry
Growth Strain(s)	DH10B
Growth Temperature	37℃
Expression Method	Transient
Comment	pcDNA3.1-EPRS1(human)-mCherry is designed to express the human EPRS1 gene (NM_004446) fused with mCherry, driven by a strong CMV promoter. The vector includes the NeoR/KanR gene for antibiotic selection in mammalian cells and the AmpR gene for bacterial propagation. It also features the SV40 promoter and f1 ori for additional functionality.

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 ℃.