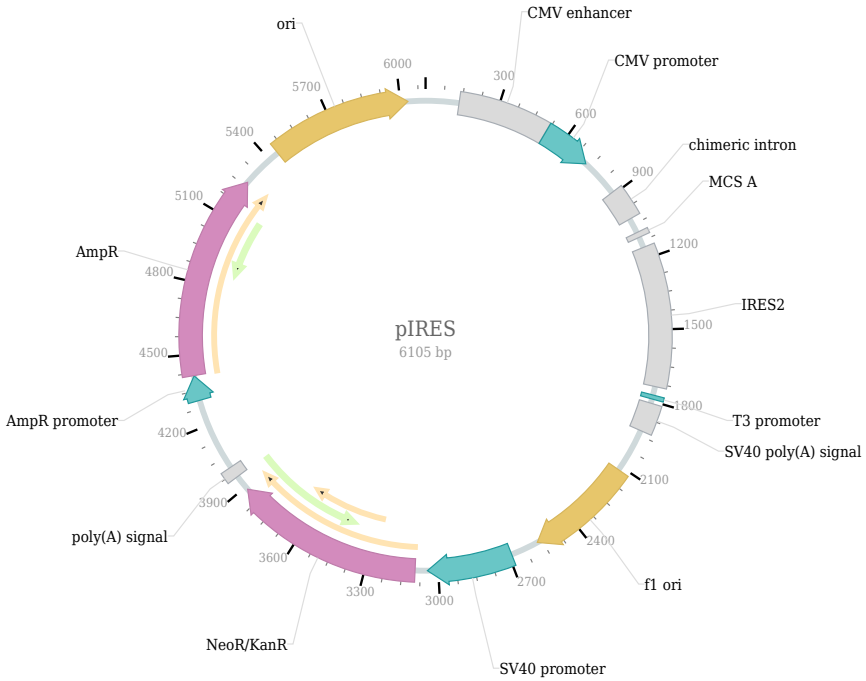
pIRES

Vector ID	V011109
Antibiotic Resistance	Ampicillin
Length	6105 bp
Vector Type	Mammalian Expression Vectors

Product Information

Replication Origin	ori
Source/Author	Clontech
Selection Marker	Neomycin/G418(Geneticin)
Copy Number	High copy number
Promoter	CMV
Growth Strain(s)	DH10B
Comment	pIRES is a mammalian vector for constitutive bicistronic expression: two genes cloned into MCS A and MCS B are translated from a single mRNA—the first via cap-dependent translation, the second via a partially disabled EMCV IRES. The CMV IE promoter drives expression, Neo (SV40) provides G418 selection, and AmpR/ColE1/f1 + T7/T3 promoters support bacterial work.

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 ℃.