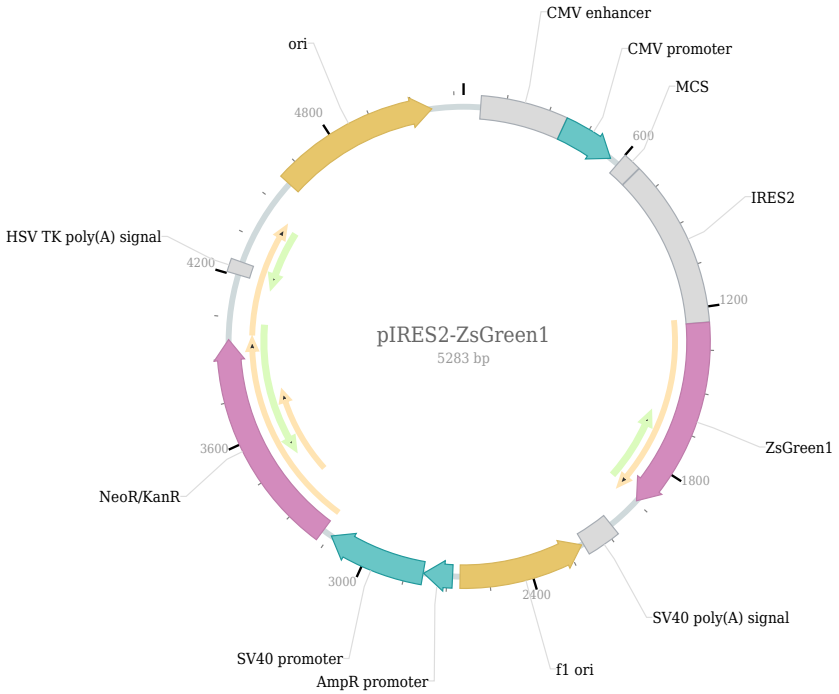
pIRES2-ZsGreen1

Vector ID	V011105
Antibiotic Resistance	Kanamycin
Length	5283 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	pIRES2-ZsGreen1 is a bicistronic mammalian expression vector in which the CMV IE promoter drives the gene of interest upstream of an EMCV IRES-linked ZsGreen1 green fluorescent protein, enabling bright fluorescence monitoring of expression. SV40-driven neomycin (G418) permits stable cell-line selection; AmpR and ColE1/f1 origins support E. coli 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 ℃.