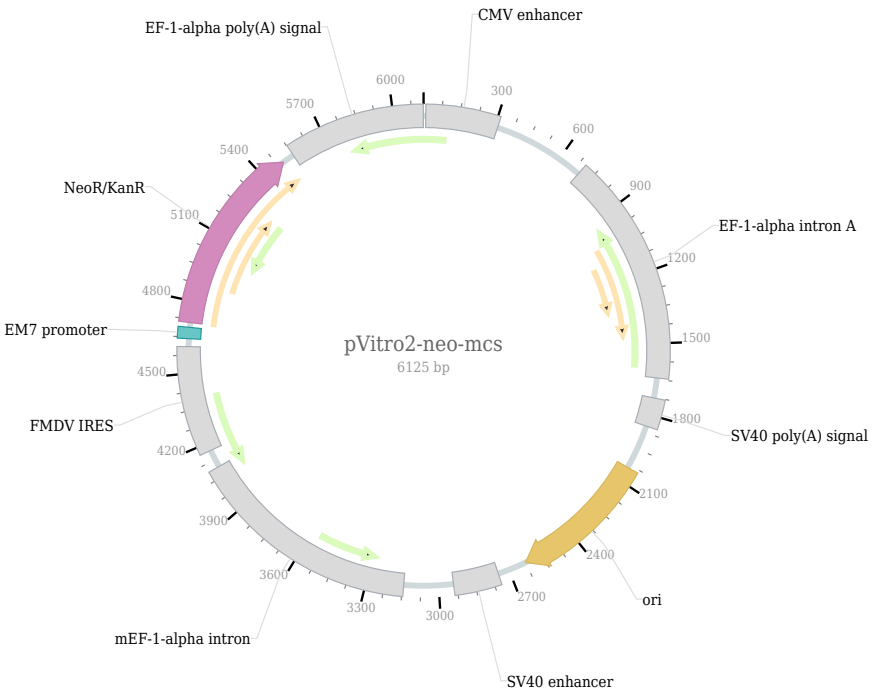
pVitro2-neo-mcs

Vector ID	V012767
Antibiotic Resistance	Kanamycin
Length	6125 bp
Vector Type	Mammalian Expression Vectors

Product Information

Replication Origin	ori
Source/Author	Invivogen
Selection Marker	Neomycin/G418(Geneticin)
Copy Number	High copy number
Promoter	CMV
Cloning Method	Enzyme Cut
5' Primer	EF-1a-F□TCAAGCCTCAGACAGTGGTTC
Expression Method	Constiutive, Stable / Transient
Comment	Expression plasmids pVITRO2-MCS are developed mainly for in vitro studies. pVITRO2-MCS allows the ubiquitous and constitutive co-expression of two genes of interest. pVITRO2-MCS plasmids carry two human ferritin composite promoters, FerH (heavy chain) and FerL (light chain). To eliminate the iron regulation, their 5'UTRs have been replaced by the 5'UTR of the mouse and chimpanzee EF-1α genes. pVITRO2-MCS plasmids are available with different selectable markers that are active both in E. coli and mammalian cells. pVITRO2-MCS plasmids contain two multiple cloning sites (MCS) for the convenient cloning of your cDNAs of interest.

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 ℃.