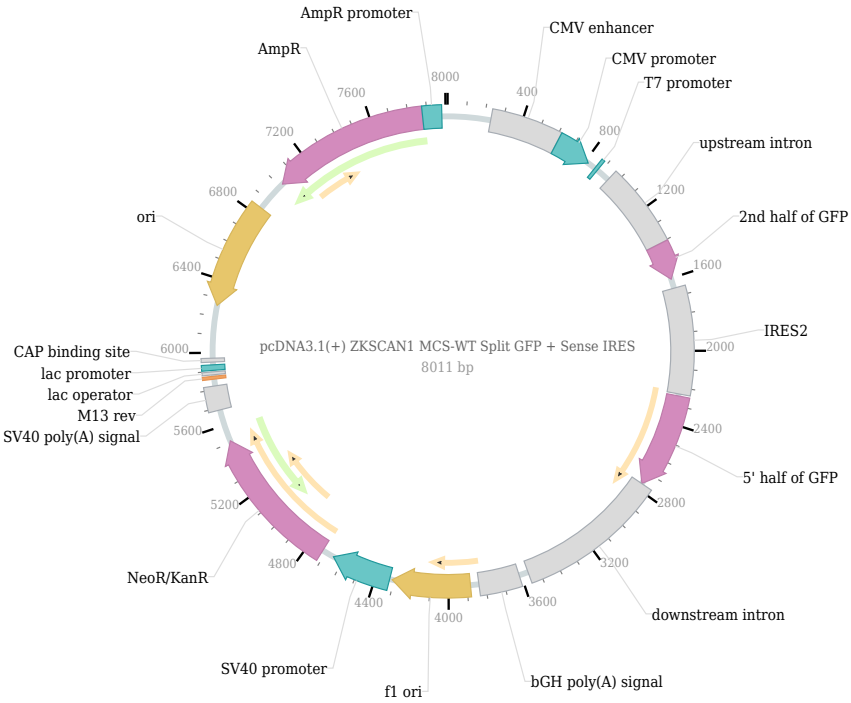
pcDNA3.1(+) ZKSCAN1 MCS-WT Split GFP + Sense IRES

载体编号 Vector ID	V017115
抗性 Antibiotic Resistance	Ampicillin
长度 Length	8011 bp
载体类型 Vector Type	Protein expression
宿主 Host	Mammalian cells

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Neo/G418
启动子 Promoter	CMV
培养菌株 Growth Strain(s)	DH5a
培养温度 Growth Temperature	37℃
备注 Comment	This mammalian vector uses pcDNA3.1(+) backbone with complementary ZKSCAN1 intronic repeats to drive efficient backsplicing and circRNA formation. It carries split GFP fragments and a sense EMCV IRES between introns; full-length GFP only forms after circularization for cap-independent translation. Long ZKSCAN1 inverted repeats drastically cut linear byproduct and support circularization of long inserted sequences in human cells. It serves as a reporter tool to detect and quantify translatable circular RNA production in mammalian cell lines.

质粒图谱



复溶方法

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 ℃.