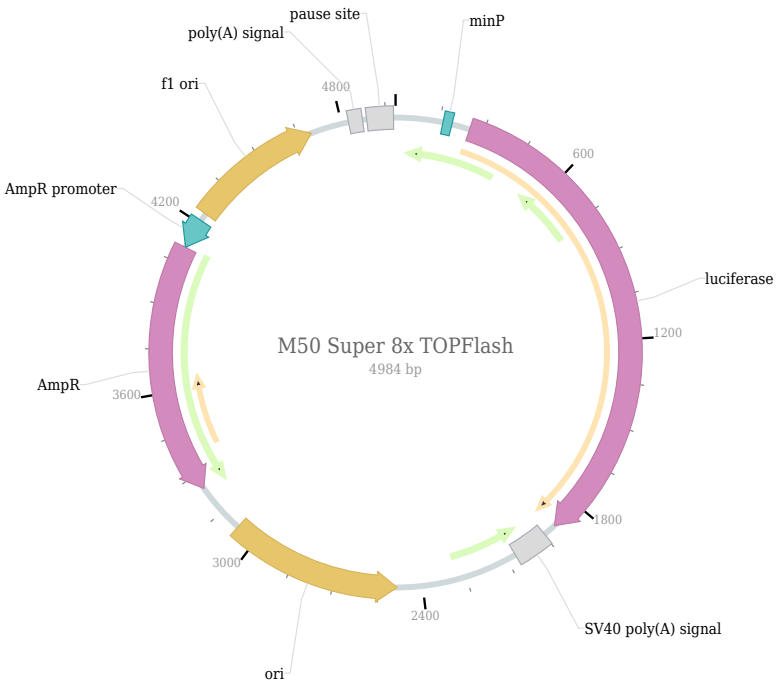
M50 Super 8x TOPFlash

载体编号 Vector ID	V001134
抗性 Antibiotic Resistance	Ampicillin
长度 Length	4984 bp
载体类型 Vector Type	Signal Pathway Reporter Vectors

产品信息

复制子 Replication Origin	ori
筛选标记 Selection Marker	Luc
启动子 Promoter	minP
培养温度 Growth Temperature	37℃
备注 Comment	This is a luciferase reporter of beta-catenin-mediated transcriptional activation. In HEK cells, maximal activation of this reporter is ~100-fold (activation by Wnt) up to ~1,000-fold (activation by phosphorylation mutants of beta-catenin). The appropriate control plasmid is clone M51, Super8XFOPflash, which has mutant TCF/LEF binding sites.This construct was made by Ajamete Kaykas in the Moon lab. The backbone is the pTA-Luc vector of Clontech, which provides a minimal TA viral promoter driving expression of the firefly luciferase gene (see company publications for details). 7 TCF/LEF binding sites were cloned into the Mlu1 site of this vector (7 copies of: AGATCAAAGGgggta, with TCF/LEF binding site in CAP letters, and a spacer in lower case, separating each copy of the TCF/LEF site).Note: This plasmid was published as M50 Super 8x TOPFlash, but the plasmid actually contains 7 TCF/LEF sites.

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 ℃.