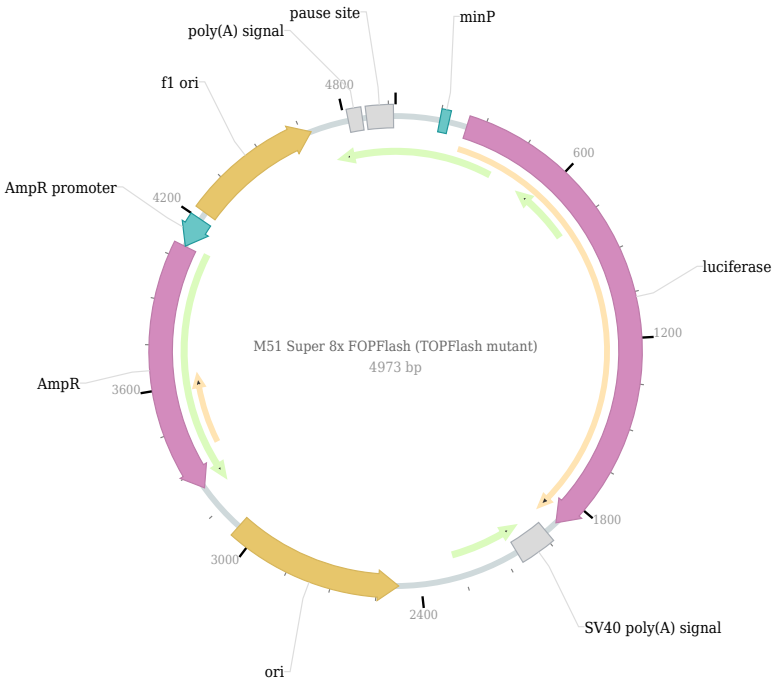
M51 Super 8x FOPFlash (TOPFlash mutant)

Vector ID	V000831
Antibiotic Resistance	Ampicillin
Length	4973 bp
Vector Type	Signal Pathway Reporter Vectors

Product Information

Replication Origin	ori
Promoter	minP
Comment	M51 Super 8x FOPFlash is the mutant negative control of M50 Super 8x TOPFlash Wnt reporter plasmid. Its eight TCF/LEF binding motifs are fully mutated, abolishing recognition by β-catenin-TCF complexes. Unlike TOPFlash, FOPFlash shows no luminescence increase upon canonical Wnt pathway activation. It is co-transfected with TOPFlash to eliminate non-specific transcriptional interference in dual-luciferase assays.

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 ℃.