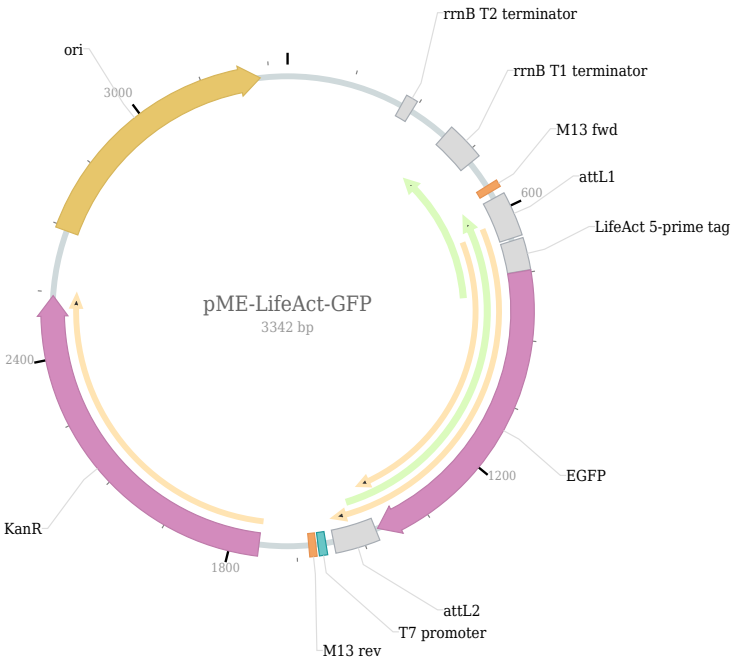
pME-LifeAct-GFP

Vector ID	V004786
Antibiotic Resistance	Kanamycin
Length	3342 bp
Vector Type	Cloning vector

Product Information

Replication Origin	ori
Source/Author	Hall TE, Currie PD.
Growth Strain(s)	GT115
Comment	pME-LifeAct-GFP is a Gateway middle-entry vector encoding LifeAct (the 17-aa N-terminal peptide of yeast Abp140) fused to GFP for live visualization of filamentous actin. Assembled via multisite Gateway LR reactions with Tol2 transposon vectors for dynamic F-actin imaging in zebrafish and other models (Riedl et al. 2008). Lifeact functions as a specialized peptide probe that binds to filamentous actin (F-actin) to visualize the actin cytoskeleton in living and fixed eukaryotic cells.

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 ℃.