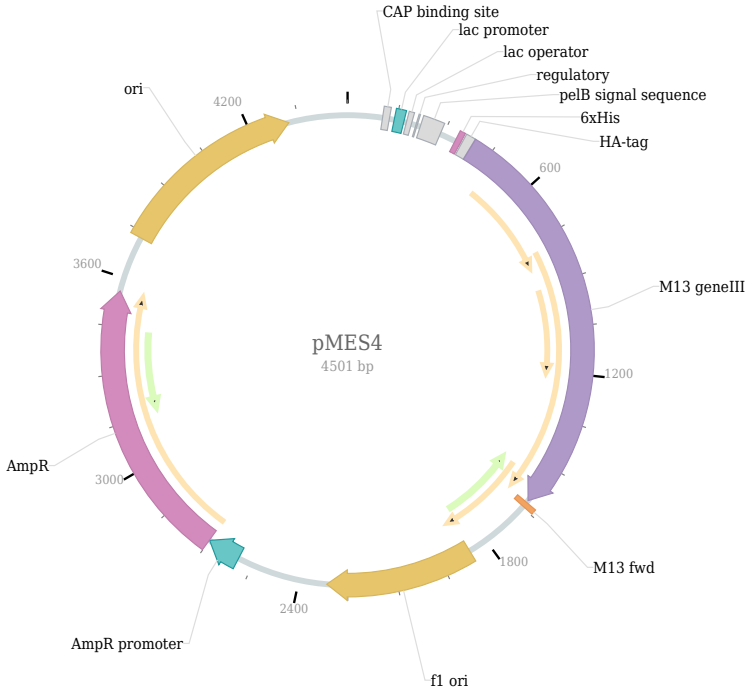
pMES4

Vector ID	V004765
Antibiotic Resistance	Ampicillin
Length	4501 bp
Vector Type	Phage display vector

Product Information

Replication Origin	ori
Source/Author	Pellis M, Pardon E, Muyldermans S.
Copy Number	High copy number
Promoter	lac promoter
Cloning Method	Enzyme Cut
3' Primer	M13 fwd
Fusion Tag	M13 geneIII
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Comment	pMES4 is a 4,501 bp phage display vector used for nanobody cloning. It features a pelB signal sequence for secretion, tags (6xHis and HA) for purification/detection, and the fd gene III for phage display. The lac promoter controls expression in bacterial systems like E. coli.

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 ℃.