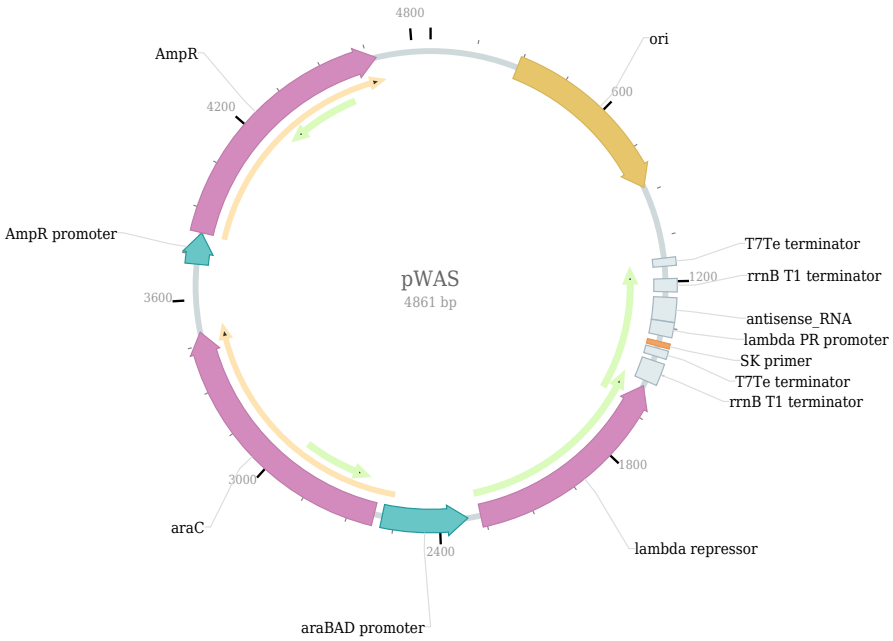
pWAS

Vector ID	V002210
Antibiotic Resistance	Ampicillin
Length	4861 bp
Vector Type	Cloning vector

Product Information

Replication Origin	ori
Source/Author	Kim B, Binkley R, Kim HU, Lee SY.
Promoter	araBAD
Comment	pWAS (4.9 kb) is a bacterial expression vector with dual promoters. It features the araBAD promoter (L-arabinose inducible) and the lambda PR promoter (thermo- or repressor-regulated) for controlled gene expression. The vector carries araC (regulator of araBAD), lambda repressor (for PR regulation), antisense_RNA, and dual terminators (T7Te and rrnB T1). Selection is provided by AmpR.

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 ℃.