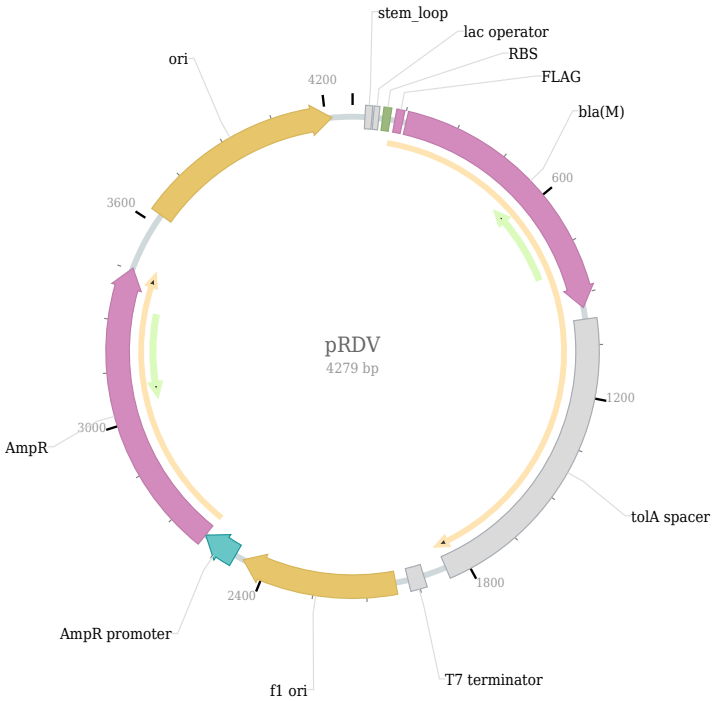
pRDV

Vector ID	V003816
Antibiotic Resistance	Ampicillin
Length	4279 bp
Vector Type	Ribosome display vector

Product Information

Replication Origin	ori
Source/Author	Binz HK, Amstutz P, Kohl A, Stumpp MT, Briand C, Forrer P, Grutter MG, Pluckthun A.
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The pRDV is a ribosome-display vector. pRDV contains all flanking DNA regions necessary for ribosome display: the T7-promoter, the ribosomal binding site and an in-frame tolA gene spacer. Hence, by simple ligation of the DNA encoding the combinatorial library into pRDV and by a PCR using this ligation mix as template, all features necessary for ribosome display are added to the library. The use of pRDV has the advantage that it always provides error-free library flanking regions and that it saves a number of working steps compared to the standard PCR approach for library generation.

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 ℃.