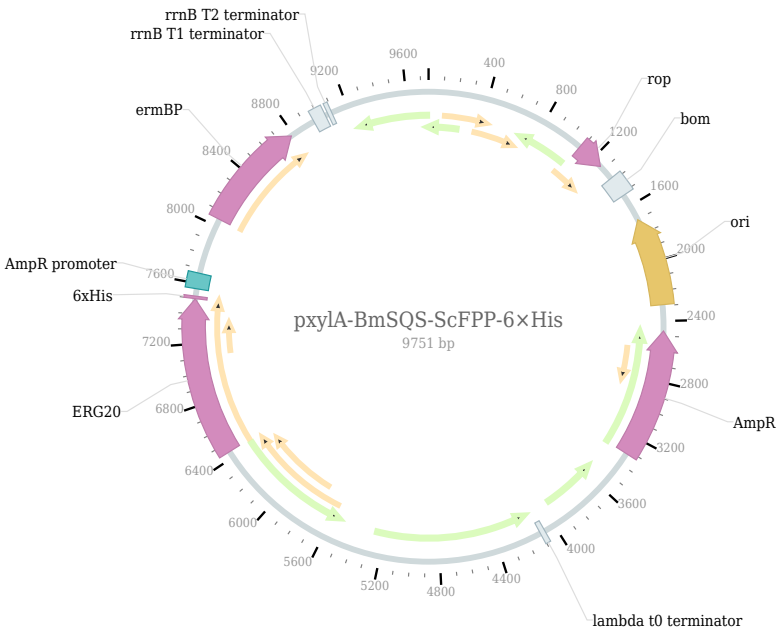
pxylA-BmSQS-ScFPP-6×His

Vector ID	V014159
Antibiotic Resistance	Ampicillin
Length	9751 bp
Vector Type	Protein expression
Host	Bacillus subtilis

Product Information

Replication Origin	ori
Selection Marker	Erm
Promoter	xylA
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pxylA-BmSQS-ScFPP-6×His is a Bacillus subtilis pathway construct (9748 bp direct version; 9763 bp with a 3×linker) in which the xylose-inducible PxylA promoter drives co-expression of BmSQS squalene synthase and yeast ScFPP farnesyl pyrophosphate synthase, with a C-terminal 6×His tag, AmpR and ermB markers.

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 ℃.