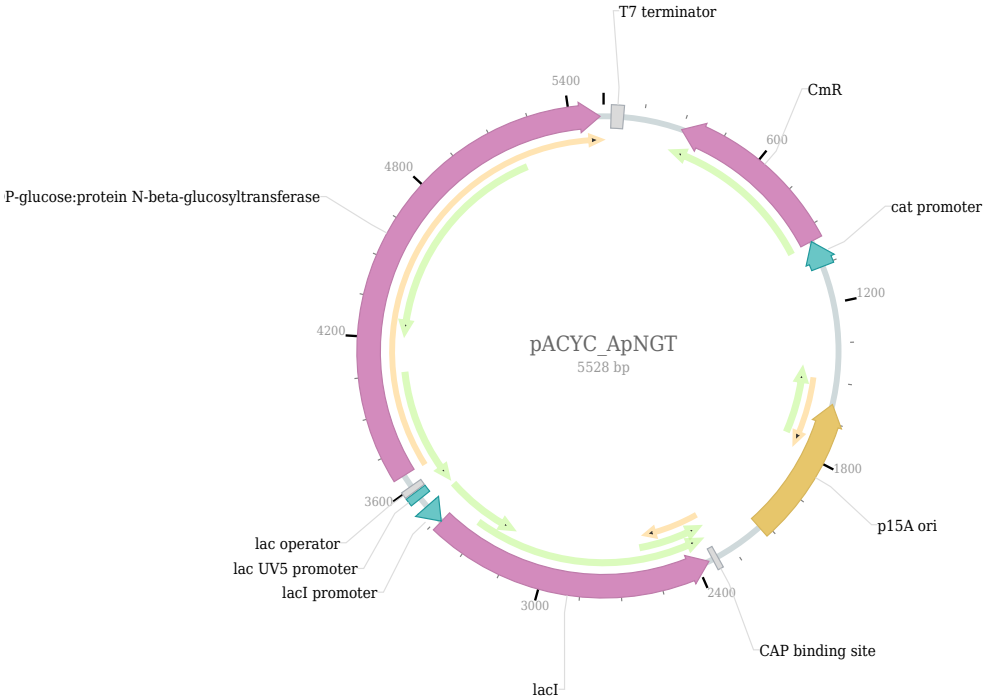
pACYC_ApNGT

Vector ID	V009587
Antibiotic Resistance	Chloramphenicol
Length	5528 bp
Vector Type	Expression vector

Product Information

Replication Origin	p15A ori
Source/Author	Keys TG, Wetter M, Hang I, Rutschmann C, Russo S, Mally M, Steffen M, Zuppiger M, Muller F, Schneider J, Faridmoayer A, Lin CW, Aebi M.
Growth Strain(s)	DH10B
Comment	pACYC_ApNGT is a prokaryotic expression plasmid carrying the cytoplasmic N-glycosyltransferase ApNGT from Actinobacillus pleuropneumoniae, which transfers glucose from UDP-Glc to asparagine in N-X-S/T sequons. It is used for bacterial N-glycoengineering of recombinant glycoproteins and has a p15A origin plus chloramphenicol resistance, compatible with ColE1 plasmids for co-expression.

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 ℃.