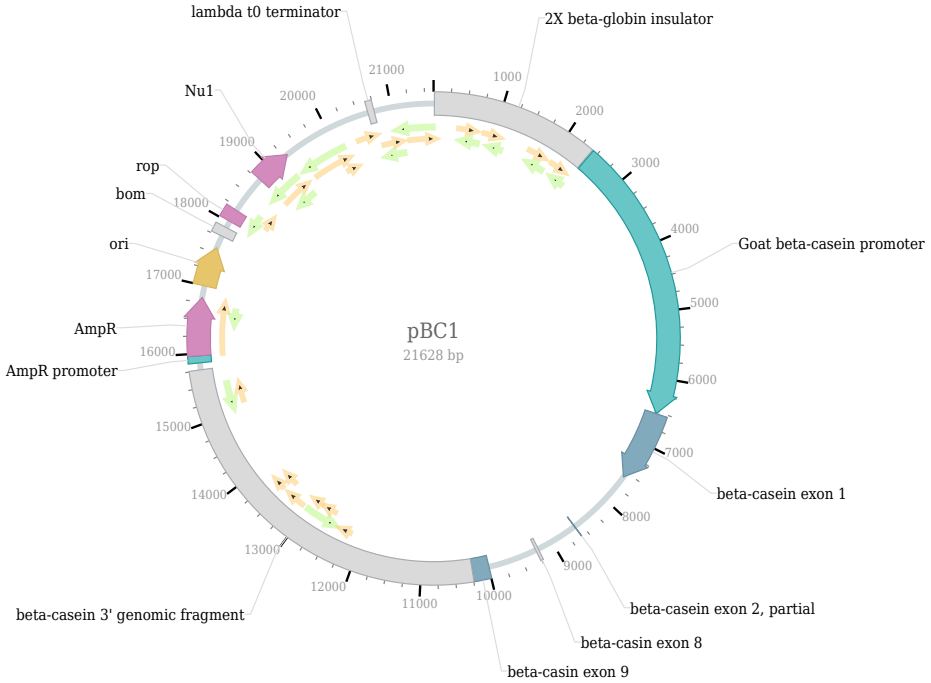
pBC1

Vector ID	V007018
Antibiotic Resistance	Ampicillin
Length	21628 bp
Vector Type	Milk Expression Vector

Product Information

Replication Origin	ori
Cloning Method	Enzyme digestion and ligation
Comment	The pBC1 vector is a 21.6 kb vector designed to facilitate expression of recombinant proteins in the milk of transgenic animals. The pBC1 Milk Expression Vector Kit is intended for use in performing feasibility studies in mice, with the expectation that the user is interested in eventual large scale recombinant protein production using larger animals. Successful expression of recombinant protein in transgenic mice has generally been indicative of successful expression in larger animals such as goats or cows (Young et al., 1997). For feasibility studies, transgenic mice provide the added advantage of shorter generation times and faster evaluation than larger herd animals.

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 ℃.