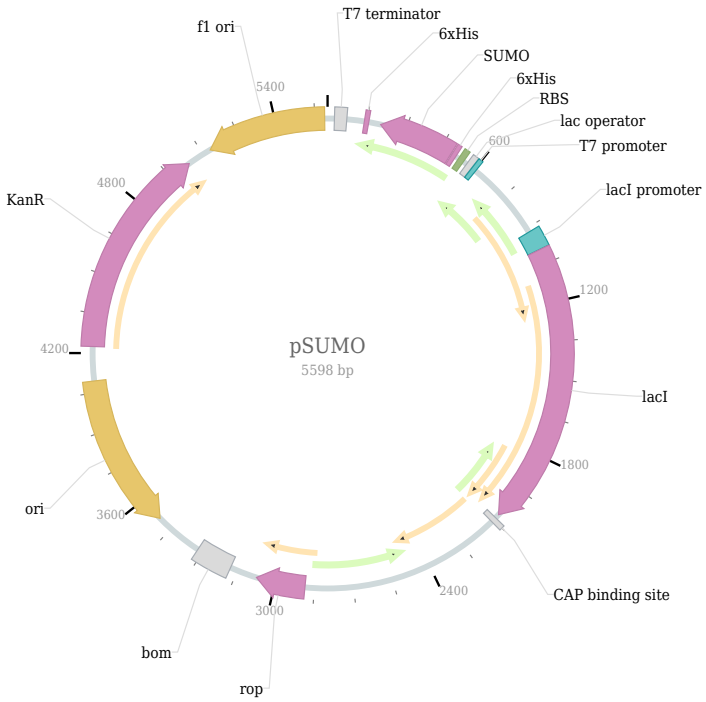
pSUMO

Vector ID	V012981
Antibiotic Resistance	Kanamycin
Length	5598 bp
Vector Type	Protein expression
Host	E. coli

Product Information

Replication Origin	ori
Promoter	T7
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	pSUMO is a pET24-derived T7 expression vector carrying yeast SMT3 (SUMO) downstream of an N-terminal His6 tag, with a unique BsaI site at SUMO's C-terminus for seamless in-frame cloning. SUMO markedly enhances the expression and solubility of difficult proteins; the ULP1 protease then cleaves at SUMO's folded structure, yielding native N-termini.

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 ℃.