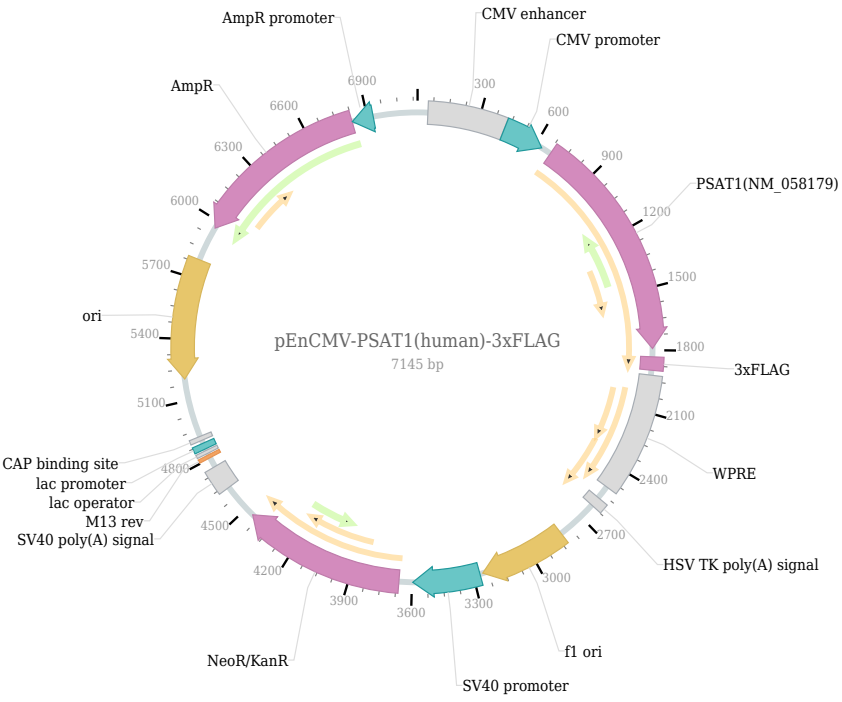
pEnCMV-PSAT1(human)-3xFLAG

Vector ID	V018444
Accession ID	NM_058179.4
Antibiotic Resistance	Ampicillin
Length	7145 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Promoter	CMV
Fusion Tag	3xFLAG
Growth Strain(s)	DH10B
Expression Method	Transient
Comment	pEnCMV-PSAT1(human)-3xFLAG drives expression of human PSAT1 (phosphoserine aminotransferase 1), a key enzyme in the L-serine biosynthesis pathway that catalyzes the second step of the phosphorylated pathway, with a 3xFLAG tag. This vector uses a CMV promoter and enhancer for expression and an SV40 promoter for NeoR/KanR selection. It also includes WPRE, HSV TK poly(A) signal, AmpR, and ori for bacteria.

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 ℃.