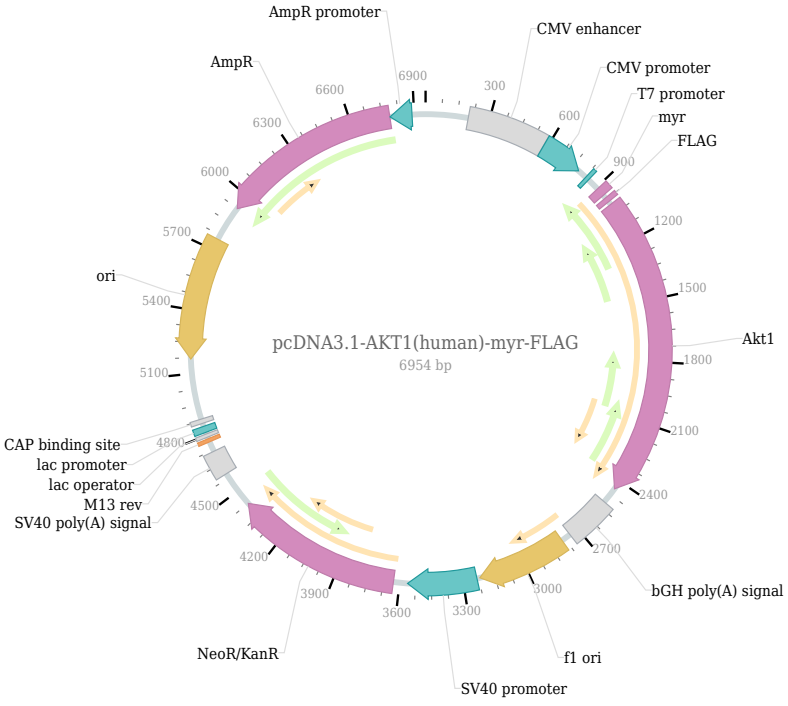
pcDNA3.1-AKT1(human)-myr-FLAG

Vector ID	V025543
Accession ID	NM_001014432.2
Antibiotic Resistance	Ampicillin
Length	6954 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Promoter	CMV
Fusion Tag	myr-FLAG
Growth Strain(s)	DH10B
Expression Method	Transient
Comment	It is designed to express a myristoylated and FLAG-tagged human AKT1 protein, driven by the strong CMV promoter. The vector includes the NeoR/KanR gene under the SV40 promoter for antibiotic selection in mammalian cells, and the HygR gene for additional selection. It also features standard elements for bacterial propagation, such as the AmpR gene and origin of replication (ori).

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 ℃.