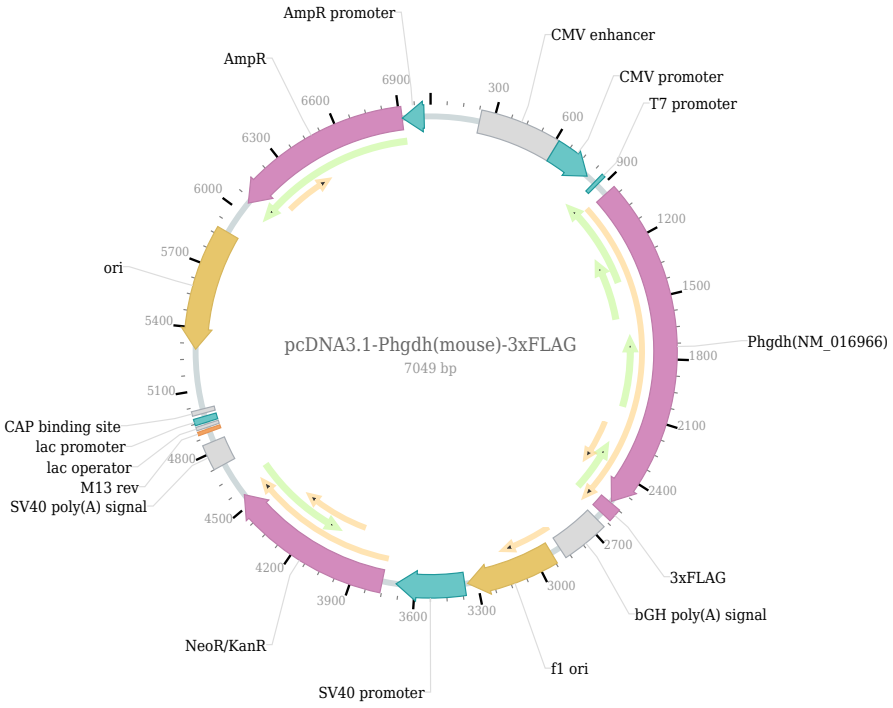
pcDNA3.1-Phgdh(mouse)-3xFLAG

Vector ID	V025064
Accession ID	NM_016966.3
Antibiotic Resistance	Ampicillin
Length	7049 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	This is a 7049 bp mammalian expression vector, pcDNA3.1-Phgdh(mouse)-3xFLAG. It drives constitutive expression of the mouse Phgdh gene, tagged with 3xFLAG, under the control of the CMV promoter. The vector includes a HygR gene for stable transfection selection and a Neomycin resistance gene (NeoR/KanR) for mammalian cells. For bacterial propagation, it contains an AmpR gene, a pVS1 origin, and a T7 promoter.

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 ℃.