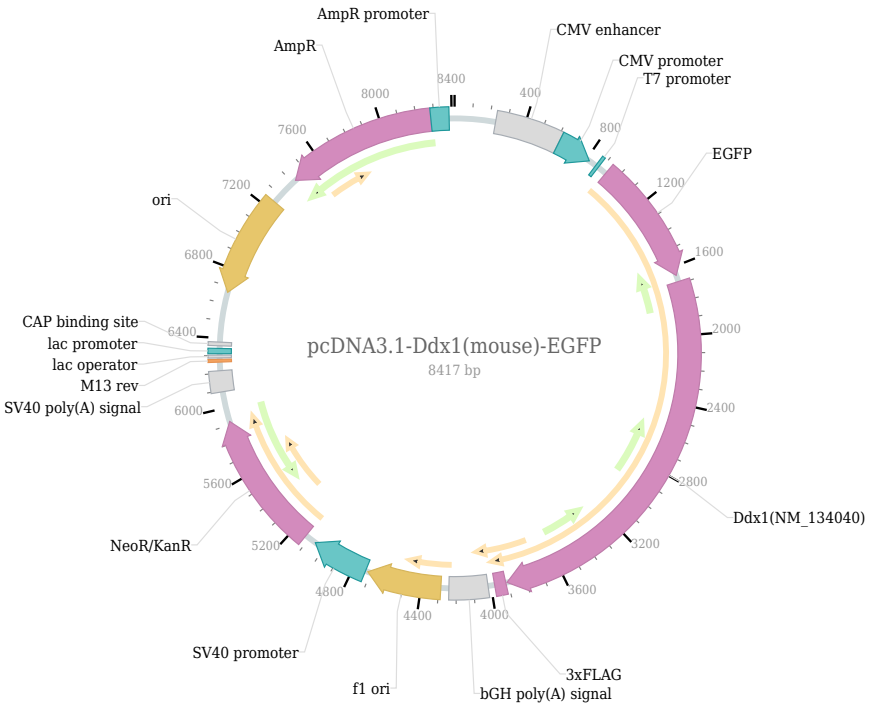
pcDNA3.1-Ddx1(mouse)-EGFP

Vector ID	V027652
Accession ID	NM_134040.1
Antibiotic Resistance	Ampicillin
Length	8417 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418;EGFP
Promoter	CMV
5' Primer	CMV-F
Fusion Tag	EGFP
Growth Strain(s)	DH5a
Growth Temperature	37℃
Expression Method	Transient
Comment	pcDNA3.1-Ddx1(mouse)-EGFP is a mammalian expression plasmid encoding mouse Ddx1 (DEAD-box helicase 1) fused to EGFP in pcDNA3.1. Used to study Ddx1 subcellular localization (nucleoli and nuclear bodies) and its roles in ribosome biogenesis and RNA processing (Suzuki et al.).

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 ℃.