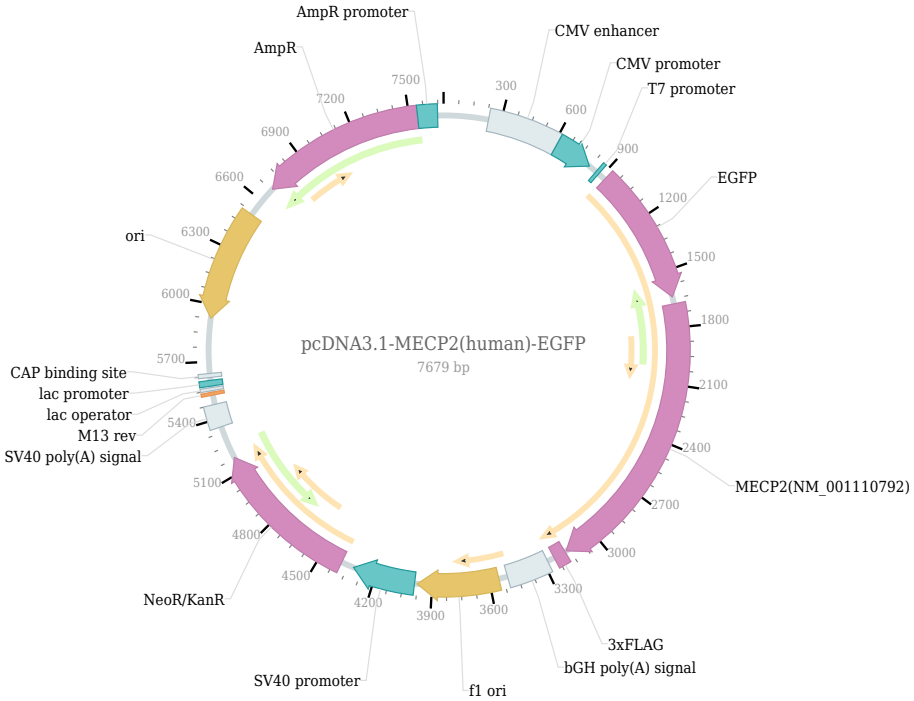
pcDNA3.1-MECP2(human)-EGFP

Vector ID	V033108
Accession ID	NM_001110792.2
Antibiotic Resistance	Ampicillin
Length	7679 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418;EGFP
Copy Number	High copy number
Promoter	CMV
Fusion Tag	EGFP
Growth Strain(s)	DH5a
Growth Temperature	37℃
Expression Method	Transient
Comment	pcDNA3.1-MECP2(human)-EGFP is a mammalian expression plasmid encoding human methyl-CpG-binding protein 2 (MECP2) fused to EGFP in pcDNA3.1. Enables visualization and functional analysis of MeCP2 in transcriptional regulation, chromatin organization, and Rett syndrome modeling.

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 ℃.