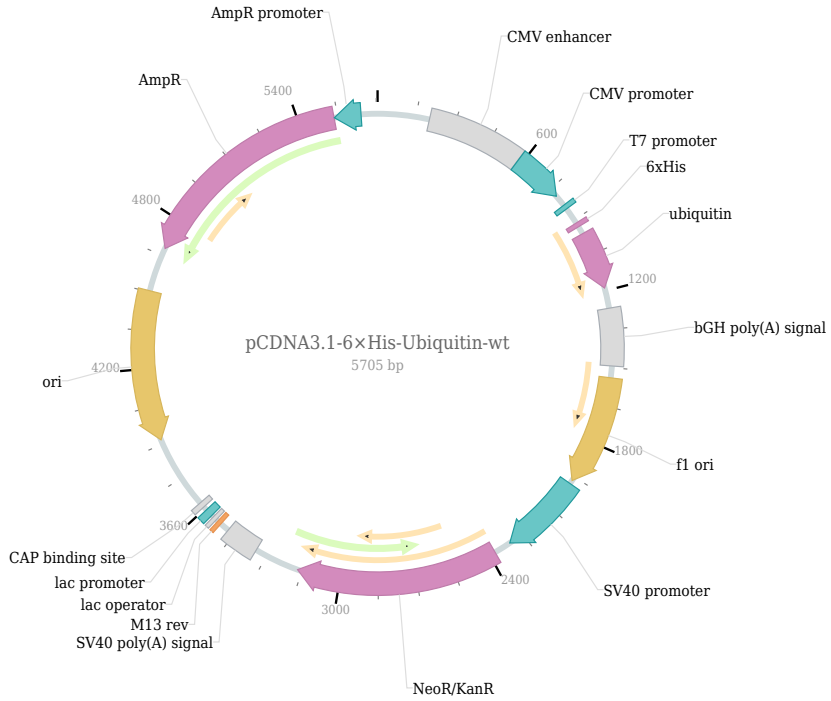
pCDNA3.1-6×His-Ubiquitin-wt

Vector ID	V013823
Antibiotic Resistance	Ampicillin
Length	5705 bp
Vector Type	Protein expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Neo/G418
Promoter	CMV
Growth Strain(s)	Top10
Growth Temperature	37℃
Comment	The pCDNA3.1-6×His-Ubiquitin-wt is a mammalian expression plasmid designed for high-level protein expression. It encodes human wild-type ubiquitin with an N-terminal 6xHis tag, driven by the CMV promoter. The vector contains an ampicillin resistance gene (AmpR) for bacterial selection and a neomycin/G418 resistance marker (Neo) for selection in mammalian cells.

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 ℃.