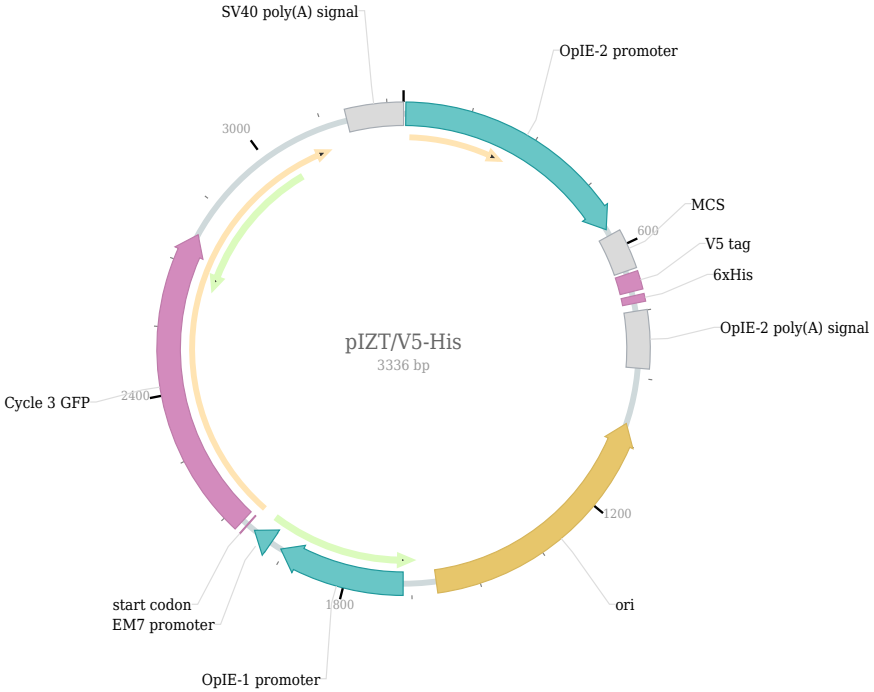
pIZT/V5-His

Vector ID	V011613
Antibiotic Resistance	Zeocin
Length	3336 bp
Vector Type	Insect Cell Vectors

Product Information

Replication Origin	ori
Source/Author	Invitrogen (Life Technologies)
Copy Number	High copy number
Promoter	OpIE-2
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	An insect cell expression vector featuring a constitutive promoter driving a GFP-Zeocin resistance fusion gene cassette. This system enables both selection (via Zeocin) and visual monitoring (via GFP) of stably transfected cells. It is designed for constitutive protein expression and optionally incorporates a C-terminal V5-6xHis tag for detection and purification.

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 ℃.