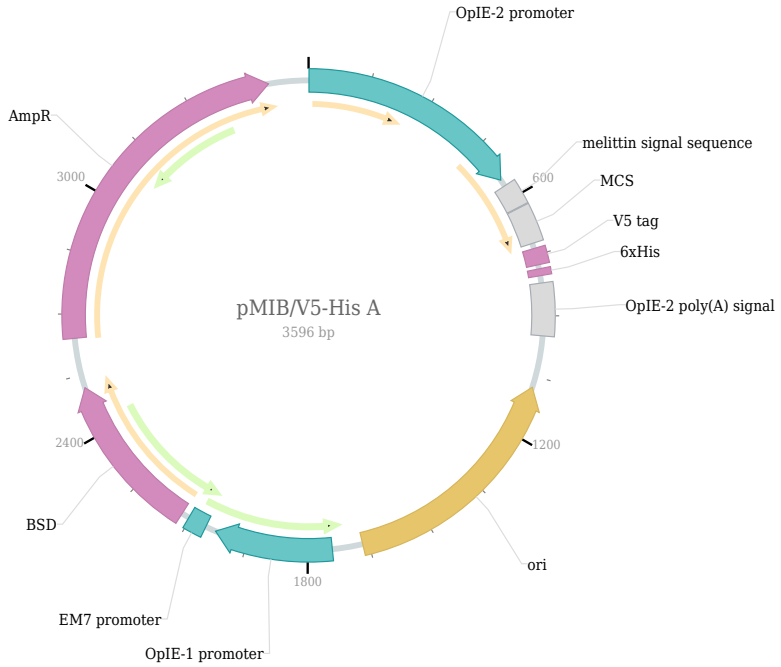
pMIB/V5-His A

Vector ID	V011609
Antibiotic Resistance	Ampicillin
Length	3596 bp
Vector Type	Insect Cell Vectors

Product Information

Replication Origin	ori
Source/Author	Invitrogen (Life Technologies)
Selection Marker	Blasticidin
Copy Number	High copy number
Promoter	OpIE-2
5' Primer	OpIE2-F: 5'd[CGCAACGATCTGGTAAACAC]3'
Fusion Tag	HBM (Nterm), V5 (Cterm), His (Cterm)
Growth Strain(s)	DH10B
Comment	This is a 3596 bp mammalian expression vector, pMIB/V5-His A. It is designed for expressing target genes under the control of the OpIE-2 promoter. The insert is flanked by a melittin signal sequence for secretion and a multiple cloning site (MCS), followed by C-terminal V5 and 6xHis tags for detection and purification. The vector includes an AmpR gene for bacterial selection and a BSD gene driven by the EM7 promoter for antibiotic 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 ℃.