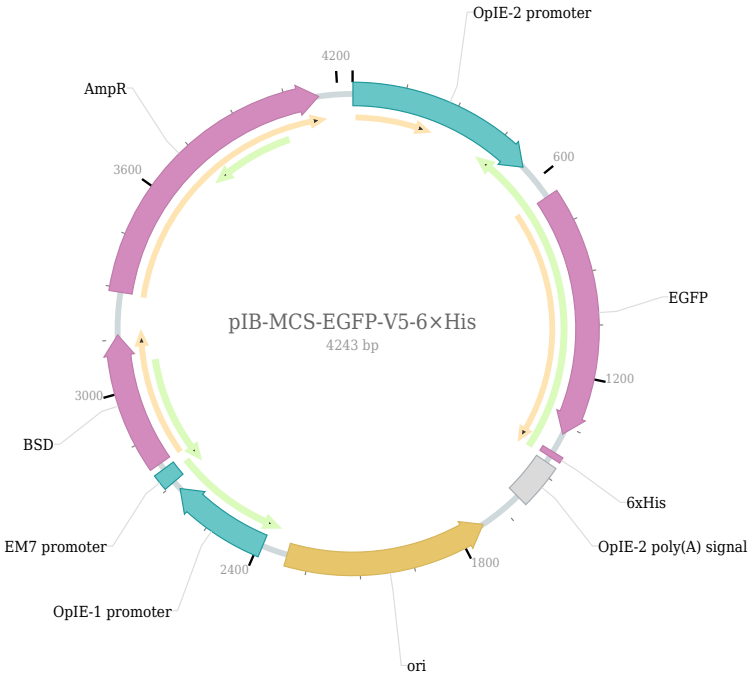
pIB-MCS-EGFP-V5-6×His

Vector ID	V014366
Antibiotic Resistance	Ampicillin
Length	4243 bp
Vector Type	Protein expression
Host	Insect cells

Product Information

Replication Origin	ori
Selection Marker	Blast
Promoter	OpIE-2
Growth Strain(s)	DH5a
Growth Temperature	37℃
Comment	The pIB-MCS-EGFP-V5-6×His vector is designed for protein expression and purification in insect cells. It utilizes the OpIE-2 promoter to drive the insertion of a target gene into the MCS. The expressed protein is fused to the C-terminus with EGFP, V5, and 6×His tags for visualization, antibody detection, and affinity purification, respectively. The plasmid includes an ori for replication, an AmpR gene for bacterial selection, and a BSD expression cassette under the OpIE-1 promoter for insect cell selection.

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 ℃.