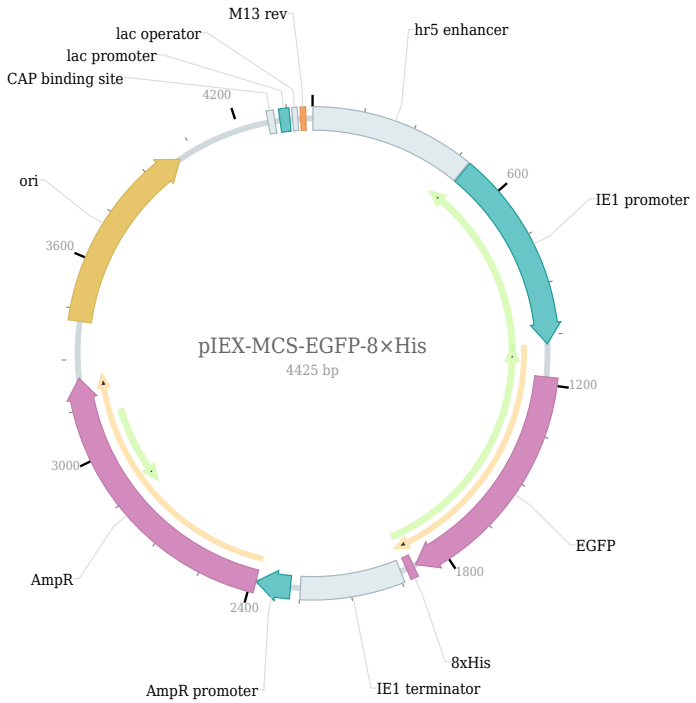
pIEX-MCS-EGFP-8×His

Vector ID	V047389
Antibiotic Resistance	Ampicillin
Length	4425 bp
Vector Type	Protein expression
Host	Insect cells

Product Information

Replication Origin	ori
Selection Marker	EGFP
Copy Number	High
Promoter	IE1
Growth Strain(s)	DH5a
Growth Temperature	37℃
Expression Method	Transient
Comment	pIEX-MCS-EGFP-8×His is an insect cell expression vector driven by the hr5-IE1 promoter, supporting high-level transient expression in Sf9/High Five cells without baculovirus. It contains a multiple cloning site for target gene insertion, and expresses fusion proteins tagged with EGFP and 8×His.EGFP enables real-time fluorescence monitoring of expression and subcellular localization, while the 8×His tag allows easy protein purification via Ni-NTA affinity chromatography.

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 ℃.