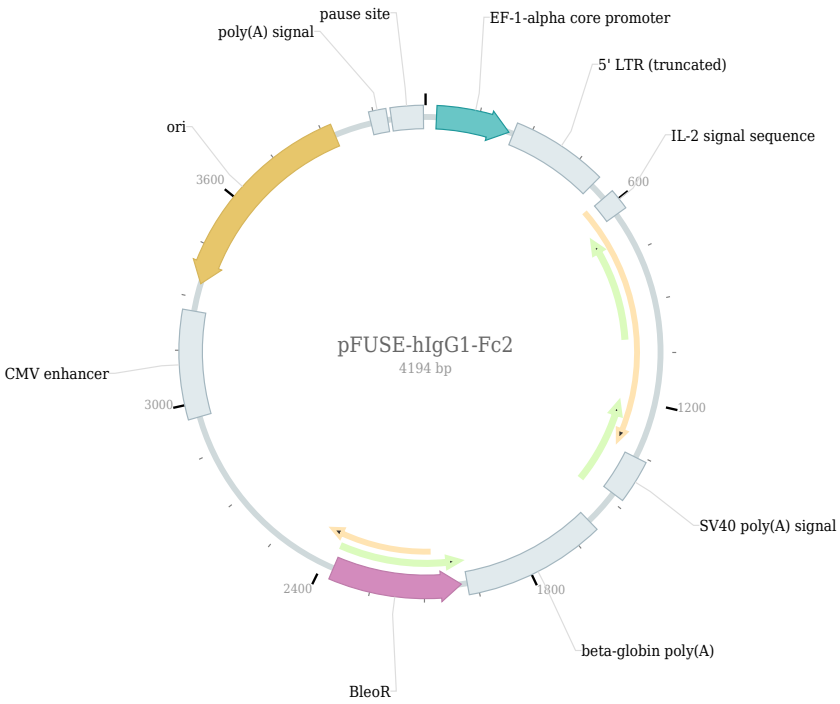
pFUSE-hIgG1-Fc2

Vector ID	V013003
Antibiotic Resistance	Zeocin
Length	4194 bp
Vector Type	Protein expression, Antibody expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Zeo
Promoter	EF-1α core
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	This is a 4194 bp mammalian expression vector, pFUSE-hIgG1-Fc2, designed for secreting human IgG1 Fc fusion proteins. It utilizes the EF-1-alpha core promoter and an IL-2 signal sequence to drive expression and secretion. The vector includes a CMV enhancer, SV40 poly(A), and beta-globin poly(A) signals for efficient transcription termination. For selection, it features a Bleomycin resistance gene (BleoR) alongside bacterial elements including an AmpR promoter, ori, and f1 ori.

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 ℃.