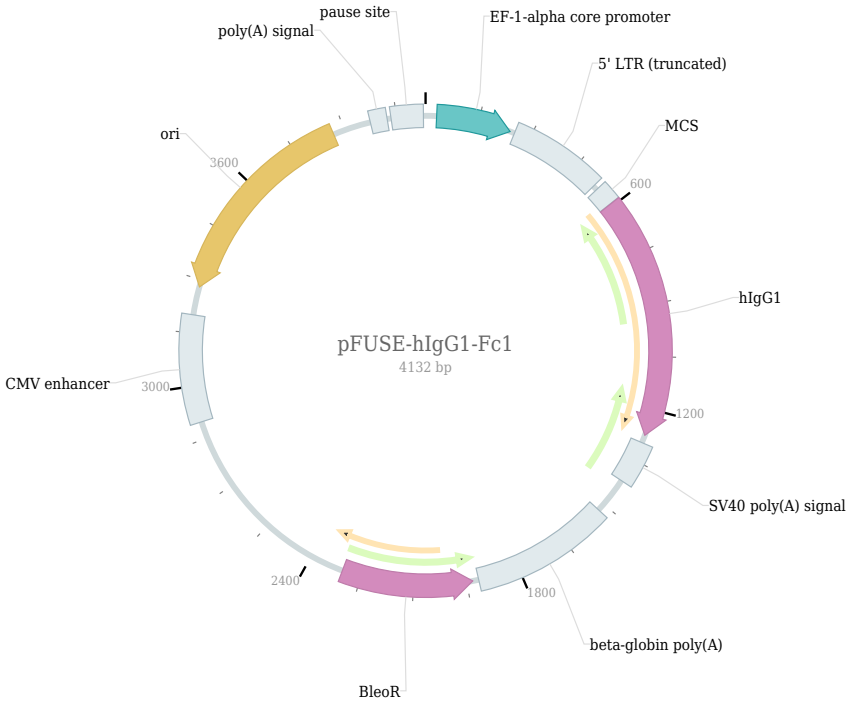
pFUSE-hIgG1-Fc1

Vector ID	V015096
Antibiotic Resistance	Bleomycin
Length	4132 bp
Vector Type	Protein expression, Antibody expression
Host	Mammalian cells

Product Information

Replication Origin	ori
Selection Marker	Zeo
Promoter	EF-1α core
5' Primer	M13F-72
Growth Strain(s)	DH10B
Growth Temperature	37℃
Comment	The pFUSE-hIgG1-Fc1 plasmid is an expression vector designed for producing human IgG1 Fc-fusion proteins. The pFUSE-hIgG1-Fc1 is an Fc-fusion protein expression plasmid of human IgG1, a cloning plasmid for creating Fc-fusion proteins that express the Fc region (CH2 and CH3 domains) of the human IgG1 heavy chain and the hinge region. hIgG1-Fc (human): The Fc region comprises the CH2 and CH3 domains of the IgG heavy chain and the hinge region. The hinge serves as a flexible spacer between the two parts of the Fc-fusion protein, allowing each part of the molecule to function independently. Human IgG1 displays high ADCC and CDC, and is the most suitable for therapeutic use against pathogens and cancer 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 ℃.