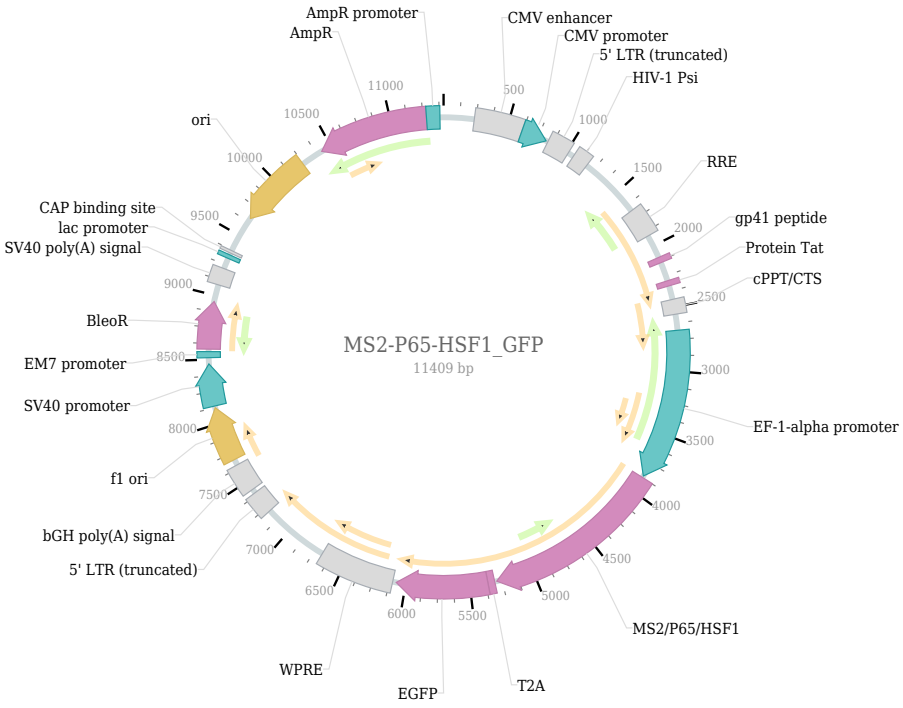
MS2-P65-HSF1_GFP

Vector ID	V012320
Antibiotic Resistance	Ampicillin
Length	11409 bp
Vector Type	CRISPR Plasmids

Product Information

Replication Origin	ori
Source/Author	Konermann S, Brigham MD, Trevino AE, Joung J, Abudayyeh OO, Barcena
Copy Number	High copy number
Promoter	EF-1α
Growth Strain(s)	Stbl3
Comment	MS2-P65-HSF1_GFP is a 3rd-generation lentiviral mammalian expression plasmid. Its EF1A promoter drives MS2(N55K)-P65-HSF1 fused to GFP via T2A, serving as the activator helper in the CRISPR-Cas9 SAM system for robust endogenous gene transcriptional activation.

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 ℃.