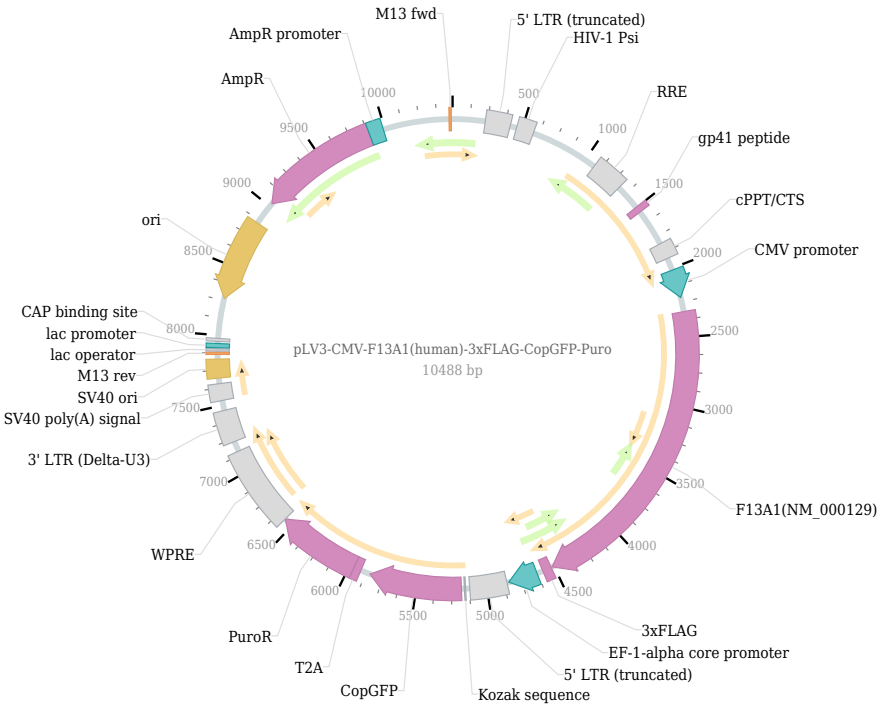
pLV3-CMV-F13A1(human)-3xFLAG-CopGFP-Puro

Vector ID	V042832
Accession ID	NM_000129.4
Antibiotic Resistance	Ampicillin
Length	10488 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro;CopGFP
Copy Number	High
Promoter	CMV
5' Primer	CMV-F
Fusion Tag	3xFLAG
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Expression Method	Constiutive, Stable / Transient
Comment	pLV3-CMV-F13A1(human)-3xFLAG-CopGFP-Puro is a pLV3 lentiviral overexpression vector expressing human coagulation factor XIII A subunit (F13A1), the transglutaminase responsible for fibrin crosslinking, under the CMV promoter with a 3xFLAG tag, CopGFP reporter and puromycin resistance. Packaged from the AmpR/Stbl3 backbone for hemostasis and crosslinking studies.

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 ℃.