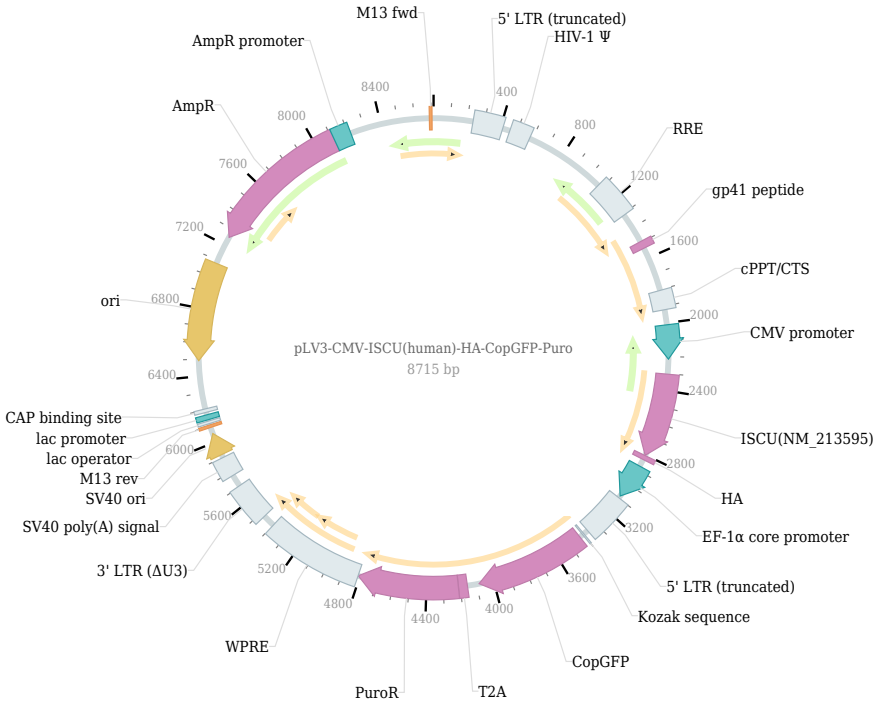
pLV3-CMV-ISCU(human)-HA-CopGFP-Puro

Vector ID	V021623
Accession ID	NM_213595.4
Antibiotic Resistance	Ampicillin
Length	8715 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro;CopGFP
Promoter	CMV
Fusion Tag	HA
Growth Strain(s)	Stbl3
Expression Method	Constiutive, Stable / Transient
Comment	It is designed for constitutive expression of the human ISCU gene with an HA tag and CopGFP reporter via a T2A linker, driven by the CMV promoter. The vector utilizes an EF-1α promoter to drive the PuroR selection marker and contains a WPRE element. It also includes essential HIV-1 derived elements such as truncated LTRs, HIV-1 Ψ, RRE, and cPPT/CTS for efficient viral packaging and nuclear import.

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 ℃.