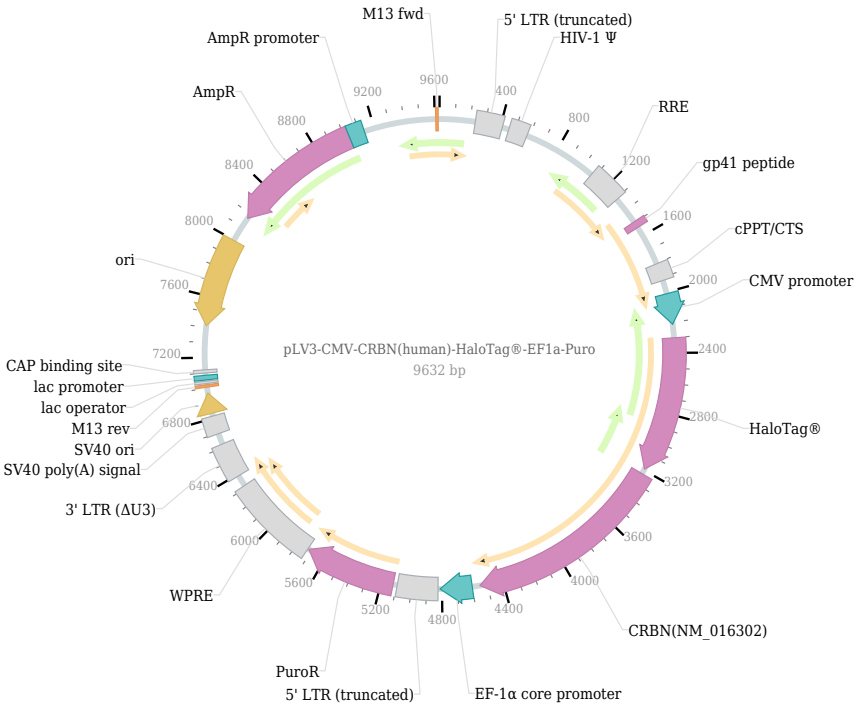
pLV3-CMV-CRBN(human)-HaloTag®-EF1a-Puro

Vector ID	V044240
Accession ID	NM_016302.4
Antibiotic Resistance	Ampicillin
Length	9632 bp
Vector Type	Protein expression
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Puro
Copy Number	High
Promoter	CMV
5' Primer	CMV-F
Fusion Tag	HaloTag®
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Expression Method	Constiutive, Stable / Transient
Comment	pLV3-CMV-CRBN(human)-HaloTag®-EF1a-Puro drives expression of human CRBN (cereblon), a substrate receptor of the CRL4CRBN E3 ubiquitin ligase complex and a well-known target for immunomodulatory drugs (IMiDs) and PROTAC technology, with a HaloTag® fusion. This lentiviral vector features dual promoters (CMV and EF-1α) for transgene expression, a PuroR cassette for puromycin selection, and WPRE, RRE, and cPPT/CTS elements to enhance viral packaging and transduction efficiency.

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 ℃.