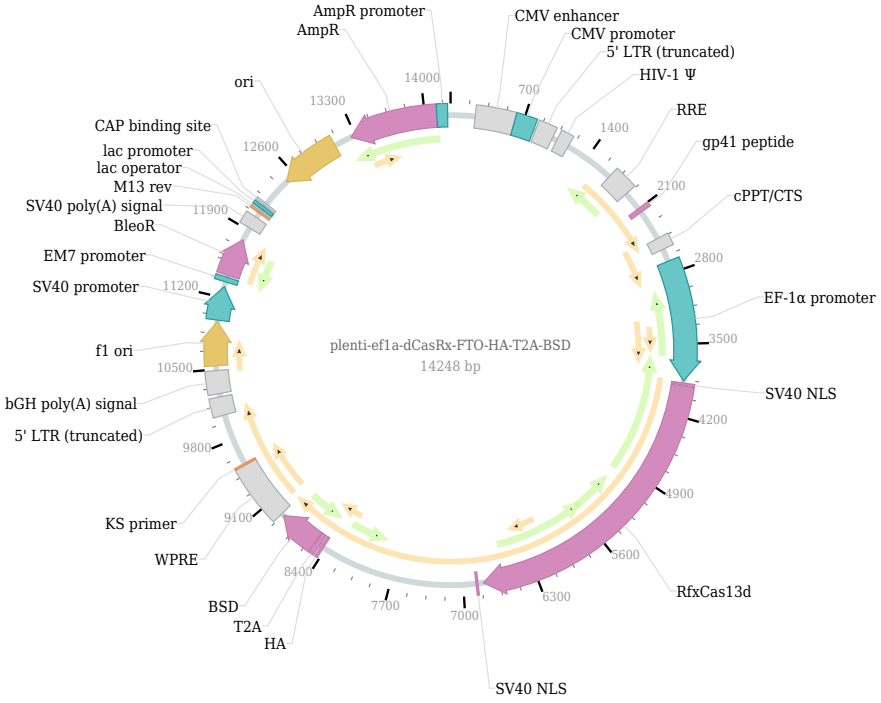
plenti-ef1a-dCasRx-FTO-HA-T2A-BSD

Vector ID	V047490
Antibiotic Resistance	Ampicillin
Length	14248 bp
Vector Type	RNA targeting regulation
Host	Mammalian cells, Lentivirus

Product Information

Replication Origin	ori
Selection Marker	Blast
Copy Number	High
Promoter	EF1a
5' Primer	BSD-F1
Growth Strain(s)	Stbl3
Growth Temperature	37℃
Expression Method	Constiutive, Stable / Transient
Comment	pLenti-EF1a-dCasRx-FTO-HA-T2A-BSD is a lentiviral mammalian vector expressing NLS-tagged, catalytically dead RfxCas13d fused to the m6A demethylase FTO. Guided by a Cas13 gRNA, it enables targeted, site-specific m6A removal from chosen transcripts.

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 ℃.