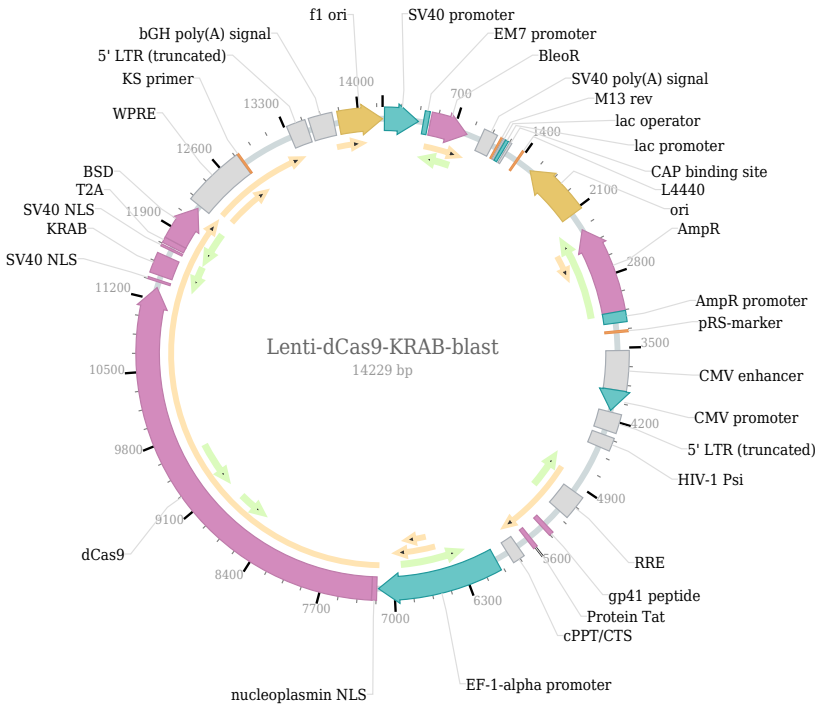
Lenti-dCas9-KRAB-blast

Vector ID	V006684
Antibiotic Resistance	Ampicillin
Length	14229 bp
Vector Type	Lentiviral

Product Information

Replication Origin	ori
Selection Marker	Blasticidin
Copy Number	High Copy
Promoter	EF-1α
Growth Strain(s)	stbl3
Growth Temperature	37℃
Comment	The Lenti-dCas9-KRAB-blast plasmid is a lentiviral overexpression vector. It utilizes an EF-1α promoter to drive the expression of a catalytically dead Cas9 (dCas9) fused to the KRAB transcriptional repressor domain. This system is designed for CRISPRi-based gene silencing experiments in mammalian cells, with blasticidin resistance for selection.

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 ℃.