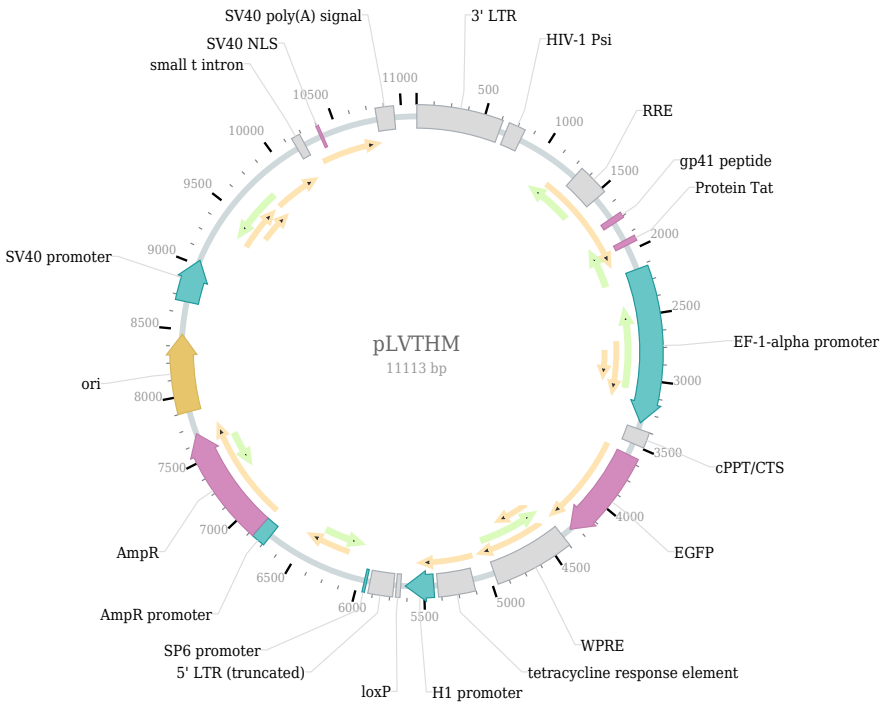
pLVTHM

载体编号 Vector ID	V012792
抗性 Antibiotic Resistance	Ampicillin
长度 Length	11113 bp
载体类型 Vector Type	RNAi

产品信息

复制子 Replication Origin	ori
来源 Source/Author	Didier Trono
拷贝数 Copy Number	High copy number
启动子 Promoter	EF-1α
培养菌株 Growth Strain(s)	stbl3
备注 Comment	pLVTHM allows for direct cloning of shRNAs into the lentiviral vectors and replaces the old pLVTH system from Trono lab. pLVTHM is similar to pLVTH, but contains a 3bp substitution that generates a unique MluI site for direct cloning of an shRNA into MluI-ClaI. Please note that there is an additional ClaI site in this vector that is blocked by Dam methylation (this site does not appear in the depositor's full sequence). The plasmid needs to be grown in a Dam+ bacterial strain in order to use ClaI for cloning. Note that ClaI has lower salt concentration requirements than MluI. One way to handle this is to digest with ClaI for 45 minutes, followed by addition of diluted MluI buffer and MluI, then incubation for 90 more minutes. Be sure not to use a large amount of vector (1.7 ug to 2.5 ug is known to work). Also, if your shRNA is already in pSUPER (or another plasmid under the control of the PolIII promoter) you may use the EcoRI-ClaI sites to replace the H1 promoter in pLVTHM with the H1-shRNA cassette from pSUPER (or another plasmid).

质粒图谱



复溶方法

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 ℃.