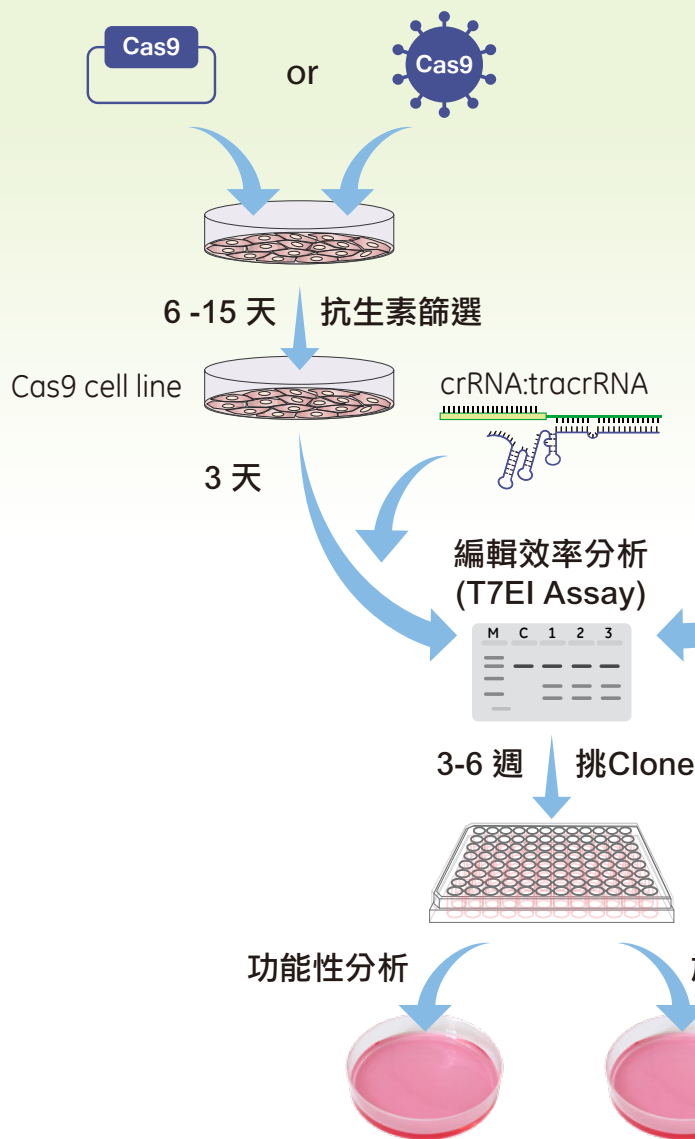


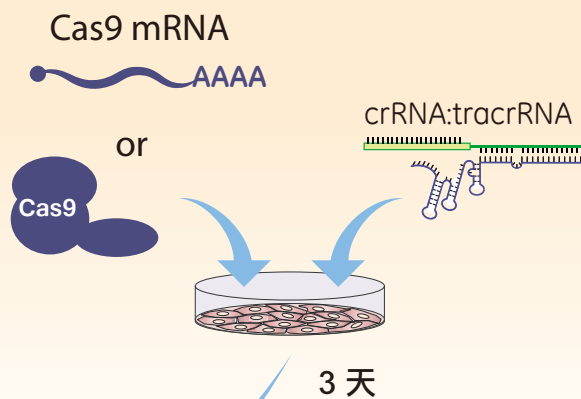
系統一 建立穩定Cas9表現株

優化Cas9表現，並結合crRNA:tracrRNA，快速轉染及篩選基因編輯細胞，可用於同時建立多種基因KO細胞株



系統二 DNA-free System

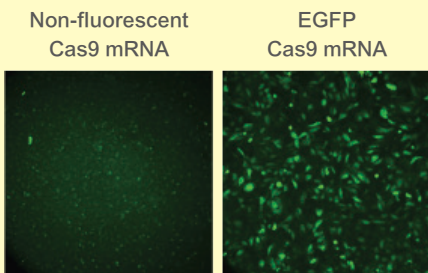
不留外源DNA在細胞中，且確保Cas9及crRNA:tracrRNA表現效率與活性



新產品發售!!

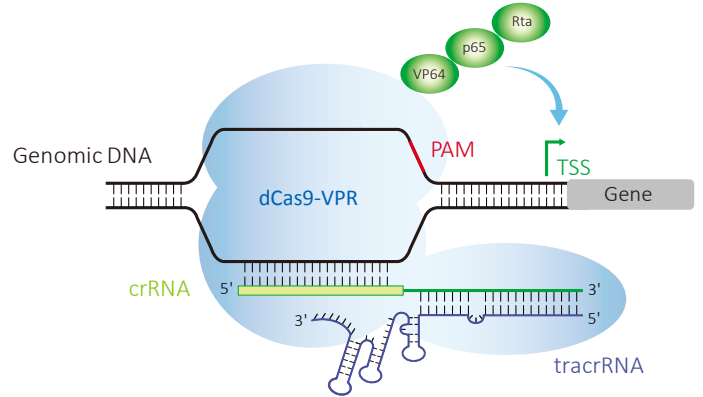
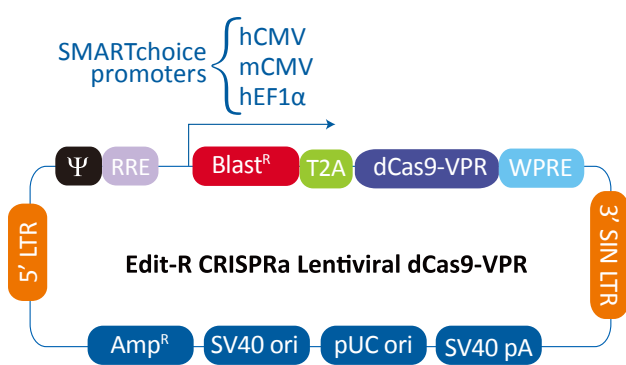
Fluorescent Cas9 Nuclease mRNA

可直接應用於FACS篩選，提升收集基因編輯細胞的效率



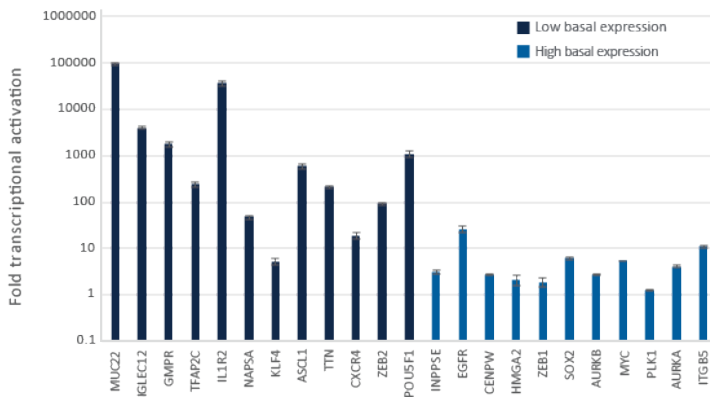
	產品類型	料號	產品	規格
Cas9	Plamid or Lentivirus	CAS101XX	Edit-R Lentiviral Cas9 Nuclease Plasmid	10 ug
		VCAS101XX	Edit-R Lentiviral Blast-Cas9 Nuclease Particles	Lentiviral Particle
		TLP591X	Trans-Lentiviral Packaging System	10/50 rxns
	DNA-free	CAS11195	Edit-R Cas9 Nuclease mRNA	20 ug
		CAS118XX	Edit-R Fluorescent Cas9 Nuclease mRNA	20 ug
		CAS11XXX	Edit-R Cas9 Nuclease protein NLS	250/500/1000 pmol
Guide RNA	DNA-free	CM-H/M/R-XX-00XX	Edit-R Synthetic crRNA	5/10/20 nmol
		U-002005-XX	Edit-R Synthetic tracrRNA	5/20/50 nmol

利用 Cas9 dead mutant (dCas9)，並協同 **Activator (VPR)** 及 **Guide RNA**，結合至目標基因 Promoter，引發專一性的短暫性或永久性表現內生性蛋白

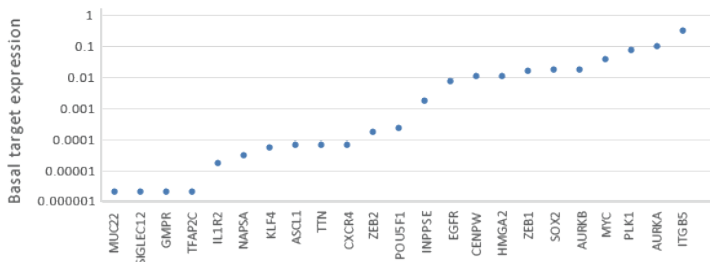


較低的內生性基因表現，可獲得更優秀的激活效果

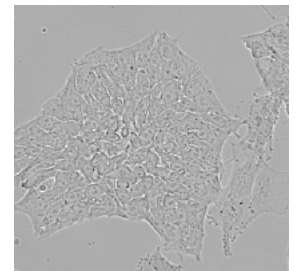
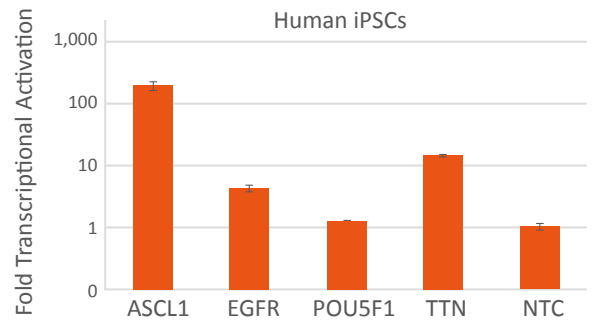
CRISPRa 激活表現量



內生性基因表現量



可使用在iPSC細胞中，激活目標基因表現



新知分享

利用 CRISPRa 成功生成 iPSC 細胞

CRISPR-Based Chromatin Remodeling of the Endogenous Oct4 or Sox2 Locus Enables Reprogramming to Pluripotency, *Cell Stem Cell* (2018)

產品類型	料號	產品	規格
dCas9-VPR	CAS1191X	Edit-R CRISPRa Lentiviral hCMV-Blast-dCas9-VPR Plasmid	10 ug
	VCAS119XX	Edit-R CRISPRa Lentiviral hCMV-Blast-dCas9-VPR Particles	Lentiviral Particle
Guide RNA	CM-H/M/R-XX-00XX	Edit-R Synthetic crRNA	5/10/20 nmol
	U-002005-XX	Edit-R Synthetic tracrRNA	5/20/50 nmol