

pLenti-SMARCD2-sgRNA

产品编号	产品名称	包装
L06720	pLenti-SMARCD2-sgRNA	5μg

产品简介:

- pLenti-SMARCD2-sgRNA (SMARCD2基因敲除质粒)是一种在动物细胞中可以同时表达Cas9、目的基因的sgRNA和puromycin抗性基因的质粒。用于在动物细胞中直接基于CRISPR/Cas9技术敲除目的基因，或者通过包装慢病毒后基于CRISPR/Cas9技术敲除目的基因。本质粒中sgRNA的有效性已经通过T7E1法的验证。
- 本质粒在细菌中为Amp抗性，全长约13,000bp。本质粒的关键图谱信息请参考图1。本质粒可直接转染细胞用于目的基因的CRISPR/Cas9敲除，以及通过puromycin筛选稳定细胞株；也可以与pMDLg、Rev及VSV-g共转HEK293T细胞进行重组慢病毒(lentivirus)的包装，然后再用于感染细胞或组织并进行目的基因的CRISPR/Cas9敲除。

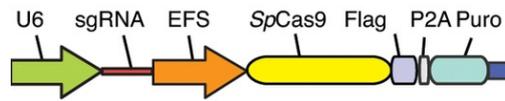


图1. 表达sgRNA、Cas9和puromycin抗性的pLenti-sgRNA质粒关键图谱信息。

- 本质粒中的sgRNA基于碧云天研发的CRISPR/Cas9 sgRNA快速筛选和验证体系获得，sgRNA的有效性已经通过T7E1法验证。
- 本质粒用于实验时，建议同时选购无任何靶向的对照质粒pLenti-Control-sgRNA (L00011)或靶向GFP的对照质粒pLenti-GFP-sgRNA (L00013)。
- 碧云天同时提供基于CRISPR/Cas9技术的SMARCD2基因敲除的质粒(L06720 pLenti-SMARCD2-sgRNA)、慢病毒(L06721 SMARCD2 Knockout Lentivirus)、HEK293T细胞(L06722 SMARCD2 Knockout HEK293T Cells)、HEK293T敲除细胞的RIPA裂解液(L06723 SMARCD2 Knockout HEK293T RIPA Lysate)、HEK293T敲除细胞的Trizol裂解液(L06724 SMARCD2 Knockout HEK293T Trizol Lysate)等产品，具体请在碧云天网站查询或在本产品网页点击相应产品。
- SMARCD2基因的基本信息如下：

Species	Gene Symbol	Gene ID	GenBank Accession	Transcript
Human	SMARCD2	6603	BC018953	NM_001098426

About the gene	
Official Symbol	SMARCD2
Previous Symbol	-
Official Full Name	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 2
Synonyms	BAF60B; Rsc6p; CRACD2; PRO2451
Location	17q23.3
Gene Type	protein_coding
Uniprot ID	Q92925
Pathway/Library	Epigenetic Regulators Related Genes Library
Gene Summary	The protein encoded by this gene is a member of the SWI/SNF family of proteins, whose members display helicase and ATPase activities and which are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein is part of the large ATP-dependent chromatin remodeling complex SNF/SWI and has sequence similarity to the yeast Swp73 protein. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

包装清单:

产品编号	产品名称	包装
L06720	pLenti-SMARCD2-sgRNA	5μg
—	说明书	1份

保存条件:

-20°C保存，至少两年有效。

组编辑突变检测试剂盒(D0508); 也可以通过相应的抗体进行检测。

- b. 对于单克隆细胞, 可通过PCR扩增出sgRNA靶向的基因片段后进行常规测序的方式进行验证, 同时也可以使用相应的抗体进行检测。

相关产品:

产品编号	产品名称	包装
L00002-5µg	CRISPR/Cas9 Packaging Vectors Set A	5µg/each
L00002-100µg	CRISPR/Cas9 Packaging Vectors Set A	100µg/each
L00011-5µg	pLenti-Control-sgRNA	5µg
L00011-100µg	pLenti-Control-sgRNA	100µg
L00013-5µg	pLenti-GFP-sgRNA	5µg
L00013-100µg	pLenti-GFP-sgRNA	100µg
C0222	青霉素-链霉素溶液(100X)	100ml
C0351-1ml	Polybrene (Hexadimethrine Bromide)	1ml
C0351-50mg	Polybrene (Hexadimethrine Bromide)	50mg
C0521	Lipo293™转染试剂	0.5/1.5/7.5ml
C0526	Lipo6000™转染试剂	0.5/1.5/7.5ml
C0533	Lipo8000™转染试剂	0.5/1.5/7.5ml
D0378	Stb13甘油菌	200µl
ST551-10mg	Puromycin Dihydrochloride (嘌呤霉素)	10mg/ml×1ml
ST551-50mg	Puromycin Dihydrochloride (嘌呤霉素)	10mg/ml×5ml
ST551-250mg	Puromycin Dihydrochloride (嘌呤霉素)	250mg
ST1380-500mg	Polybrene (≥94%, Reagent grade)	500mg
ST1380-2g	Polybrene (≥94%, Reagent grade)	2g
ST1380-10g	Polybrene (≥94%, Reagent grade)	10g
FF345-10pcs	针头滤器(0.45µm/28mm, PES, Sterile, Sartorius分装)	10个/袋
FF345T-10pcs	针头滤器(0.45µm/28mm, PES, Sterile, 进口分装)	10个/袋
FF345-50pcs	针头滤器(0.45µm/28mm, PES, Sterile, Sartorius原装)	50个/盒
FF365-10pcs	BeyoGold™针头滤器(0.45µm/33mm, PES, Sterile)	10个/袋
FF365-100pcs	BeyoGold™针头滤器(0.45µm/33mm, PES, Sterile)	100个/盒
FF375-10pcs	BeyoGold™针头滤器(0.45µm/13mm, PES, Sterile)	10个/袋
FF375-100pcs	BeyoGold™针头滤器(0.45µm/13mm, PES, Sterile)	100个/盒
FUF158-2pcs	超滤管(15ml, 100kDa MWCO, PES, Sartorius分装)	2个/袋
FUF158-12pcs	超滤管(15ml, 100kDa MWCO, PES, Sartorius分装)	12个/袋

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