

Materials List for:

# Substrate Generation for Endonucleases of CRISPR/Cas Systems

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URL: <https://www.jove.com/video/4277>

DOI: [doi:10.3791/4277](https://doi.org/10.3791/4277)

## Materials

Name	Company	Catalog Number	Comments
Antarctic Phosphatase	NEB	M0289L	
<i>in vitro</i> Transcription Grade Ultrapure Nucleotide Triphosphates	Jena Bioscience	NU-1010 - NU-1013	
Liquid chromatography, ktapurifier 100	GE Healthcare		
DNA oligonucleotides	MWG Operon		
RNA oligonucleotides	MWG Operon		
Gel Extraction Kit	QIAGEN	28704	
PCR purification Kit	QIAGEN	28104	
Spin Miniprep Kit	QIAGEN	27106	
Plasmid Maxi Kit	QIAGEN	12163	
BamHI	NEB	R0136L	
HindIII	NEB	R0104L	
T4 DNA Ligase	NEB	M0202S	
T4 Polynucleotide Kinase	Ambion	AM2310	
T7 RNA Polymerase	own preparation		
Deoxynucleotide Solution Mix	NEB	N0447L	
Mini-PROTEAN Tetra Electrophoresis System	Bio-Rad	165-8001	
Storm 840 Scanner	GE Healthcare	163723	
Storage Phosphorscreen	Molecular Dynamics	63-0034-81	
Mono Q 5/50 GL	GE Healthcare	17-5166-01	
Phusion High-Fidelity DNA Polymerase	NEB	M0530L	use the GC buffer
Toluidine Blue	Sigma	T3260	
pUC19	NEB	N3041S	
$\gamma$ -[ <sup>32</sup> P]-ATP, $\alpha$ -[ <sup>32</sup> P]-ATP	Hartmann Analytic	SRP-401, SRP-307	