

CRISPR-Based Modular Assembly for High-Throughput Construction of a UAS-cDNA/ORF Plasmid Library

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Materials

Name	Company	Catalog Number	Comments
Aluminum Cooling Block	Aikbbio	ADMK-0296	To perform bacterial transformation
DEPC-Treated Water	Invitrogen	AM9906	
Gel Extraction Kit	Omega	D2500	To purify DNA from agarose gel
Gel Imaging System	Tanon	2500B	
HiScribe T7 Quick High Yield RNA Synthesis Kit	NEB	E2050	
NEBuilder HiFi DNA Assembly Master Mix	NEB	E2621	
Plasmid Mini Kit	Omega	D6943	To isolate plasmid DNA from bacterial cells
Q5 Hot Start High-Fidelity 2x Master Mix	NEB	M0494	
S. pyogenes Cas9	GenScript	Z03386	
Shaking Incubator	Shanghai Zhichu	ZQLY-180V	
T series Multi-Block Thermal Cycler	LongGene	T20	To perform PCR
Trans10 Chemically Competent Cell	TranGen BioTech	CD101	
Ultraviolet spectrophotometer	Shimadzu	BioSpec-nano	To measure concentration of DNA or RNA