

Human Immunodeficiency Virus Type 1 (HIV-1) Dependency CRISPR Guide Library

Catalog No. HRP-20293

Product Description:

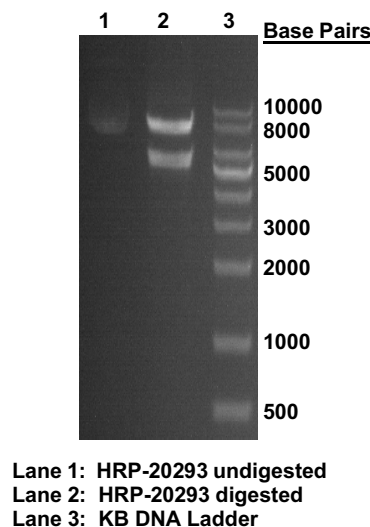
HRP-20293 is a CRISPR/Cas9 single guide RNA (sgRNA) library targeted to 525 human immunodeficiency virus type 1 (HIV-1) dependency factors cloned into the HIV-CRISPR vector (BEI Resources Catalog No. ARP-13567). The library comprises 525 genes targeted by 8 guides each as well as 210 non-targeting control (NTC) guides, totaling 4,401 guides. The pooled plasmid DNA library was vialled in TE buffer.

Lot: 70063167

Manufacturing Date: 08AUG2023

QC ITEMS	SPECIFICATIONS	RESULTS
Appearance	Colorless, clear, free of precipitate or foreign particles	Colorless, clear, free of precipitate or foreign particles
Identity	Co-migrates with reference DNA and/or size confirmed versus marker	Co-migrates with reference DNA and/or size confirmed versus marker
Agarose Gel Electrophoresis Digestion with <i>Mlu</i> I	~ 8 kb and ~ 6 kb	~ 8 kb and ~ 6 kb
OD <sub>260</sub> /OD <sub>280</sub> Ratio	1.8 to 2.0	1.95
Vial Contents Concentration Amount per vial	Report results Report results	0.5 mg/mL 10 µg/vial
Residual Nucleic Acids (RNA/gDNA)	Not visible on agarose gel	Not visible on agarose gel
Homogeneity	Predominantly supercoiled	Predominantly supercoiled
Endotoxin	≤ 0.01 EU/µg	≤ 0.01 EU/µg
Bio-Burden Assay	No viable organism	No viable organism

Figure 1: Agarose Gel of Undigested and Restriction Enzyme Digested HRP-20293



/Kenneth R. Crawford/

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26 APR 2024

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**HIV REAGENT  
PROGRAM**

