

Industrial Grade Plasmids

for better transfection efficiency & reproducibility



Maximizing transfection efficiency

with highly homogenous (≥90% supercoiled) plasmids



Contamination free

plasmids with 7+ stringent quality control standards



Get the right plasmid or for free

with 100% sequence accuracy guarantee

	Current Standards Using by Other Vendors	GenScript Standards for Ensuring Higher Transfection Efficiency and Consistency
Homogeneity	≥70% supercoiled (defined as high supercoil content)	≥90% supercoiled
Endotoxin	≤ 0.1 EU/μg plasmid DNA (defined as endotoxin-free)	≤0.01 EU/μg plasmid DNA

Establishing higher industrial standards for transfection-ready plasmids

- Stringent quality control: **Endotoxin and bio-burden test** on every single plasmid
- Flexible quantity: **Microgram- to gram- scale** production
- Track record of reliability: Delivered **800,000+ clones in 15+ years**
- Delivered in as short as **3 business days**
- PHD level customer support

Industrial Grade Plasmid Preparation

QC Items	Analytical Method	Specification
Appearance	Visual inspection	Clear, no visible particles
A260/280	Nanodrop UV absorption	1.8-2.0
Concentration	UV absorption	Default 1 mg/ml; Specific concentration provided upon request
Homogeneity	Agarose gel electrophoresis	≥90% supercoiled
Restriction Analysis	Enzyme digestion and electrophoresis	Conforming to reference pattern
Residual RNA	Visual inspection upon electrophoresis	Not visible
Genomic RNA	Visual inspection upon electrophoresis	Not visible
Endotoxin Level	Limulus Amebocyte Lysate (LAL) assay	≤0.01 EU/μg
Bioburden Assay	Bioburden	No growth on agar plate after 48 hours

Applications include:

- Transfection in mammalian cells
- Protein and antibody production
- Virus packaging
- Animal studies
- DNA vaccine research
- Gene and cell therapy studies

