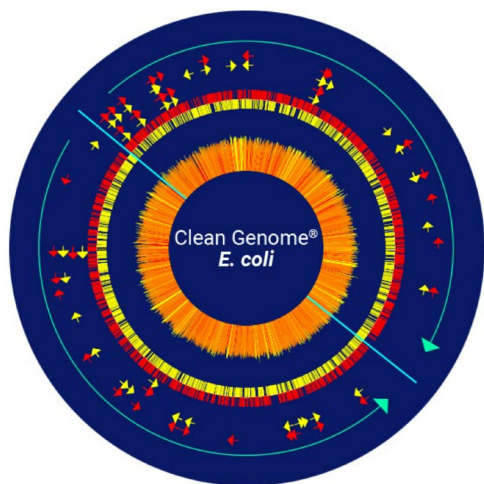


ScarabXpress®-2 Protein Expression System + Lasergene Molecular Biology Software

DnastAR and its sister company Scarab Genomics now offer an all-inclusive solution that eliminates the guesswork from the cloning process.

Start by selecting the best competent *E. coli* cells for your project, then add our unique expression plasmid to ramp up production. Finally, use Lasergene's comprehensive software to effortlessly design your cloning experiments, authenticate the clones you make in your lab, and much more.

Step 1. Choose a Clean Genome® *E. coli* cloning strain



Our six reduced-genome cloning strains are:

- Genetically stable and metabolically efficient hosts for nucleotides and proteins
- Unrivaled for expressing difficult proteins
- Suitable for both research and commercial use

To learn which one is right for *your* project, contact us today!

Strain (with version types)	Properties	Chemically competent transformation efficiency (CFU/μg)	Electro-competent transformation efficiency (CFU/μg)
Clean Genome®	IS free, enhanced metabolism	0.71-2.1 x 10 ⁸	7.5 x 10 ⁹
Clean Genome® ΔrecA		0.32-1.2 x 10 ⁸	5.8 x 10 ⁹
Clean Genome® LowMut	Additional deletions to reduce mutation rate	1.7-2.4 x 10 ⁸	0.1-1.1 x 10 ¹⁰
Clean Genome® LowMut ΔrecA		0.9-2.0 x 10 ⁸	0.5-7.1 x 10 ⁹
Clean Genome® LowMut ΔrecA Blue (recA- and lacZ M15-)	For blue-white screening of plasmid inserts	0.35 x 10 ⁷	3.5 x 10 ⁸
Clean Genome® LowMut T7 (ΔrecA)	For T7 plasmid expression vectors	1.5-1.9 x 10 ⁸	1.0 x 10 ⁸

Strain Background	K12
F plasmid	Absent
endA	Deleted
Drug resistance	None
Transposable elements	None

Above: Each strain has unique and useful properties and is available in several versions.

Left: All Clean Genome® strains share the traits shown in this table.

