
Fusion BioLabs Ready-to-Use Chicken Naïve scFv Phage Display Library Information

SKU# ADL-10: Ready-to-Use Chicken Naïve scFv Phage Display Library Kit

Format: scFv with 6xHis Tag and HA Tag and (OmpA leader sequence-VL-Linker-VH-6xHis tag-HA tag)

Diversity: 1.6×10^{10}

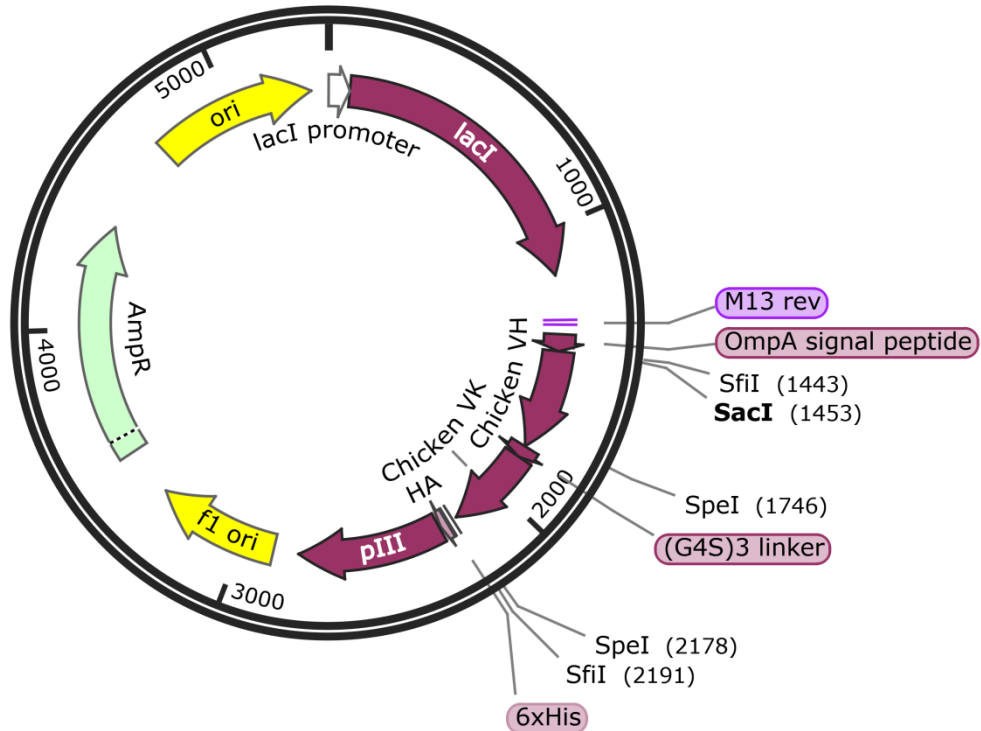
The diversity and in-frame of the library was checked by NGS.

The library was constructed from 4 spleens of white Leghorn hens (12 weeks old).

Kit contents

The following components are included in the Kit.

Component	Quantity	Composition
Chicken Naïve scFv Library (ready-to-panning phage; 1.6×10^{12} pfu/ml)	1.0 ml	1×PBS with 50% glycerol
M13KO7 Helper Phage (2×10^{12} pfu/ml)	0.5 ml	1×PBS with 50% glycerol
Chemically Competent TG1 E. coli	0.5 ml	2xYT with 25% Glycerol
M13 Reverse Primer (1.6 μ M)	0.2 ml	1×TE Buffer
pIII Reverse Primer (1.6 μ M)	0.2 ml	1×TE Buffer



Chicken naïve scFv phage display library vector map
5364 bp

Comments for Fusion BioLabs Vector

Chicken Naïve scFv Library (one typical clone)

- lac I* promoter: bases 5-82
- lac I* ORF: bases 83-1165
- M13 Reverse priming site: bases 1331-1347
- OmpA leader sequence: bases 1383-1445
- Polyhistidine (6xHis) site: bases 2208-2225
- HA Hemagglutinin A (HA) epitope: bases 2232-2258
- Amber stop codon: bases 2262-2264
- pIII engineered ORF: 2265-2798
- pIII Reverse priming site: 2296-2312
- f1 origin: bases 2891-3346
- Ampicillin resistance ORF: bases 3533-4393
- pUC origin: bases 4725-5313