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

SKU# ADL-01: Ready-to-Use Human Naïve scFv Phage Display Library Kit

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

Diversity: 9.0×10^{10}

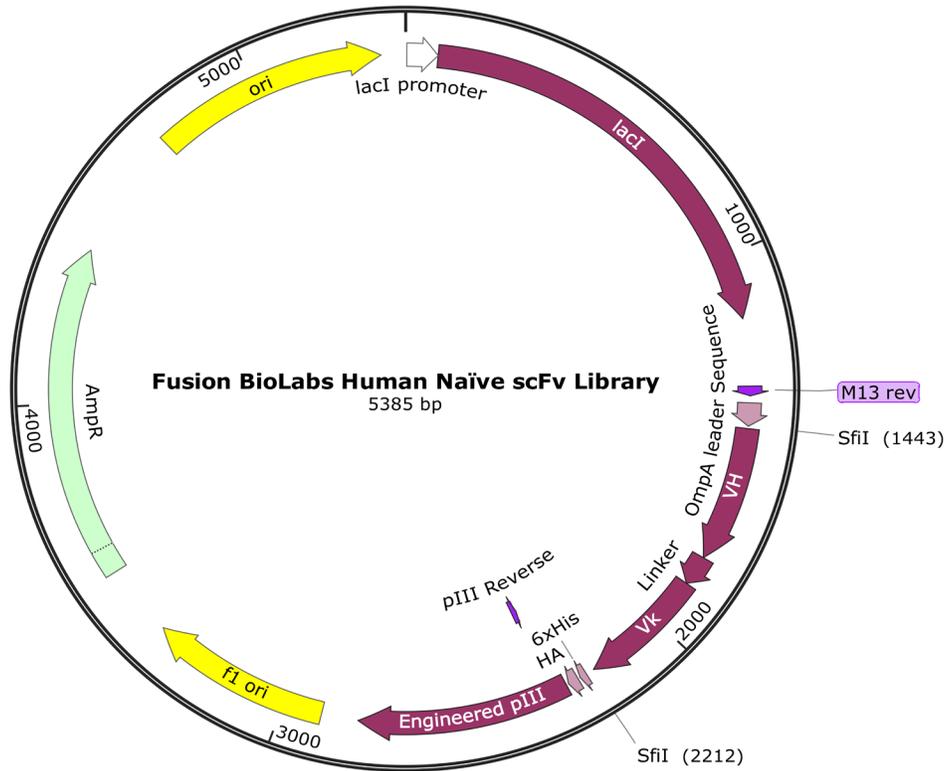
The diversity and in-frame of the library was checked by NGS.

The human Naïve scFv Library was constructed from different ethnic groups (Asia, African American, Caucasian, Filipino, Hispanic, and each groups has at least 50 donors aged from 25 to 74 with equally distributed male and female.

Kit contents

The following components are included in the Kit.

Component	Quantity	Composition
Human Naïve scFv Library (ready-to-panning phage; 9.0×10^{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



Comments for Fusion BioLabs Vector

Human Naïve scFv (one typical clone)

lac I promoter: bases 5-82

lac I ORF: bases 83-1165

M13 Reverse priming site: bases 1340-1364

OmpA leader sequence: bases 1383-1442

Polyhistidine (6xHis) site: bases 2220-2237

HA Hemagglutinin A (HA) epitope: bases 2244-2270

Amber stop codon: bases 2274-2276

pIII engineered ORF: 2277-2810

pIII Reverse priming site: 2308-2324

f1 origin: bases 2903-3358

Ampicillin resistance ORF: bases 3545-4405

pUC origin: bases 4737-5325