

Fusion BioLabs X8 (Linear 8-amino acid peptide) Peptide Phage Display Library Information

SKU# PDL-02: Ready-to-Use X8 Linearized Peptide Phage Display Library Kit

Synthetic Format: Randomized 8-amino acid peptide with 6xHis Tag and HA Tag (OmpA leader sequence- **X8** peptide -6xHis tag-HA tag- Amber stop codon)

Diversity: 7.9×10^{10}

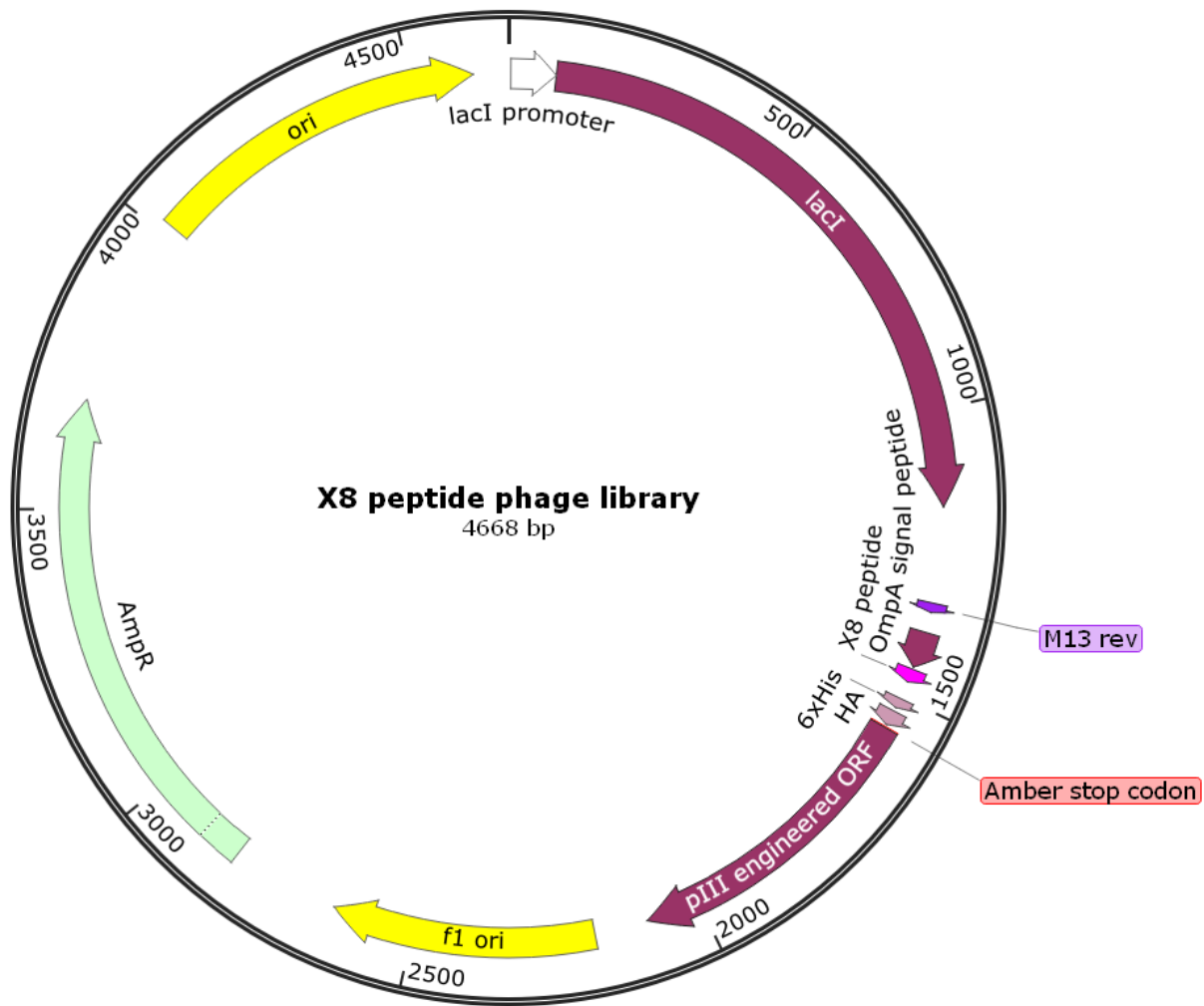
The diversity and in-frame of the library was checked by NGS.

The X8 phagemid-based phage display Library is a linear randomized segment of 8-amino acid peptides.

Kit contents

The following components are included in the Kit.

Component	Quantity	Composition
X8 peptide phage display library (ready-to-panning; 7.9×10^{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	2×YT with 25% Glycerol
M13 Reverse Primer (1.6 μ M)	0.2 ml	1×TE Buffer



Comments for Fusion BioLabs Library Vector

X8 Peptide Phage Display 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

X8 peptide: bases 1449-1472

Polyhistidine (6xHis) site: bases 1503-1520

HA Hemagglutinin A (HA) epitope: bases 1527-1553

Amber stop codon: bases 1557-1559

pIII engineered ORF: 1560-2093

f1 origin: bases 2186-2641

Ampicillin resistance ORF: bases 2828-3688

pUC origin: bases 4020-4608