

pComb8

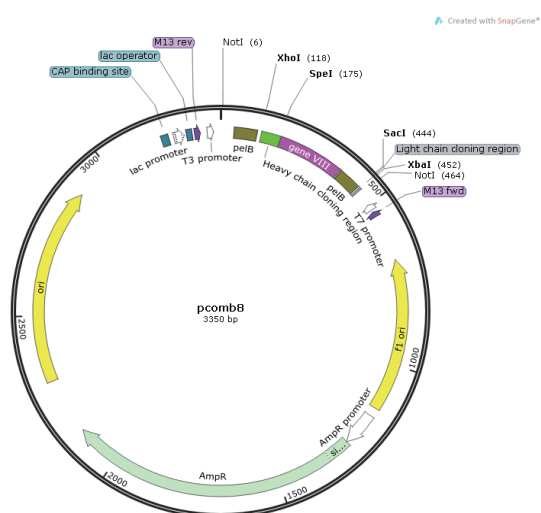
Summary

Code	P004
Bacterial Resistance(s)	Ampicillin
Growth Temperature	37°C
Growth Strain(s)	TG1
Copy number	High Copy
Insert Size (bp)	1600
Promoter	lacZ
Tags / Fusion Proteins	*6x His (C terminal on backbone) *HA tag (C terminal on backbone) *geneIII (C terminal on backbone)
5' sequencing primer	5'-AAG ACA GCT ATC GCG ATT GCA G-3'
3' sequencing primer	5'-GCC CCC TTA TTA GCG TTT GCC ATC-3'

Description

pComb8 is nearly identical to the original pComb3 vector but contains the phage pVIII fusion protein for multi-valent expression along the sides of the phage via fusion with pVIII. It was designed for phage display of Fabs which are cloned into two separate cloning cassettes one chain at a time using SacI/XbaI restriction sites (for the light chain) and XhoI/SpeI restriction sites (for the heavy chain). The heavy chain is expressed fused to the pVIII. Both cassettes have the pelB leader sequence, the light chain and heavy chain-geneVIII fusion product assemble in the periplasm to form the Fab fragment. Soluble Fab can be expressed by removing the gene for the pVIII phage fusion protein by SpeI/NheI digest. Sufficient soluble protein is also found in the periplasmic space as a result of proteolysis.

Vector map



Related products

Product name	Size	Cat#
pComb3Xss	1µg	P001
pComb3XTT	1µg	P002
pComb3XLambda	1µg	P003
pComb8	1µg	P004
pCANTAB5E	1µg	P005
Helper phage M13K07	1mL	P006
Helper phage VCSM13	1mL	P007
E.coli TG1	1mL	P008
E.coli ER2738	1mL	P009
E.coli XL1-blue	1mL	P010
E.coli SS320	1mL	P012
E.coli TOP10 F'	1mL	P016

This product is for research use only and is not approved for use in humans or in clinical