

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

[pComb8](#)

RRID:Addgene_63889

Type: Plasmid

Proper Citation

RRID:Addgene_63889

Plasmid Information

URL: <http://www.addgene.org/63889>

Proper Citation: RRID:Addgene_63889

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:1896445](#)

Vector Backbone Description: Backbone Size:3000; Vector Backbone:pBluescript; Vector Types:Bacterial Expression, phage display; Bacterial Resistance:Ampicillin

Comments: 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.

Plasmid Name: pComb8

Record Creation Time: 20220422T222406+0000

Record Last Update: 20260815T081806+0000

Ratings and Alerts

No rating or validation information has been found for pComb8.

No alerts have been found for pComb8.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Mahjoub G, et al. (2026) Engineered dual-layered polyvinyl alcohol-alginate wound dressings incorporating antimicrobial and pro-healing functions. International journal of biological macromolecules, 345, 150369.

Brišar N, et al. (2025) A virus based vaccine combined with IL12 gene therapy eradicates aggressive melanoma. Scientific reports, 15(1), 18786.

Rader C, et al. (2024) The pComb3 Phagemid Family of Phage Display Vectors. Cold Spring Harbor protocols, 2024(8), pdb.over107756.

Brišar N, et al. (2024) An Engineered M13 Filamentous Nanoparticle as an Antigen Carrier for a Malignant Melanoma Immunotherapeutic Strategy. Viruses, 16(2).