APD-08 | Camelid VHH Phage Display Library Construction Kit

pAPD-VHH | Catalog No. APD-08 | Version 2.0 | Modified November 8, 2026

Product Overview

The pAPD-VHH phagemid and supplied primer set support construction of camelid VHH antibody phage display libraries. VHH repertoires are amplified from cDNA prepared from peripheral blood lymphocytes or lymphoid tissue of immunized or non-immunized donors, digested using NcoI/NotI, and ligated into the pAPD-VHH vector.

Key Features

High expression efficiency: Phagemid system for display and selection of camelid VHH fragments.

Flexibility and versatility: Supports VHH library construction and downstream fragment expression.

Specifications

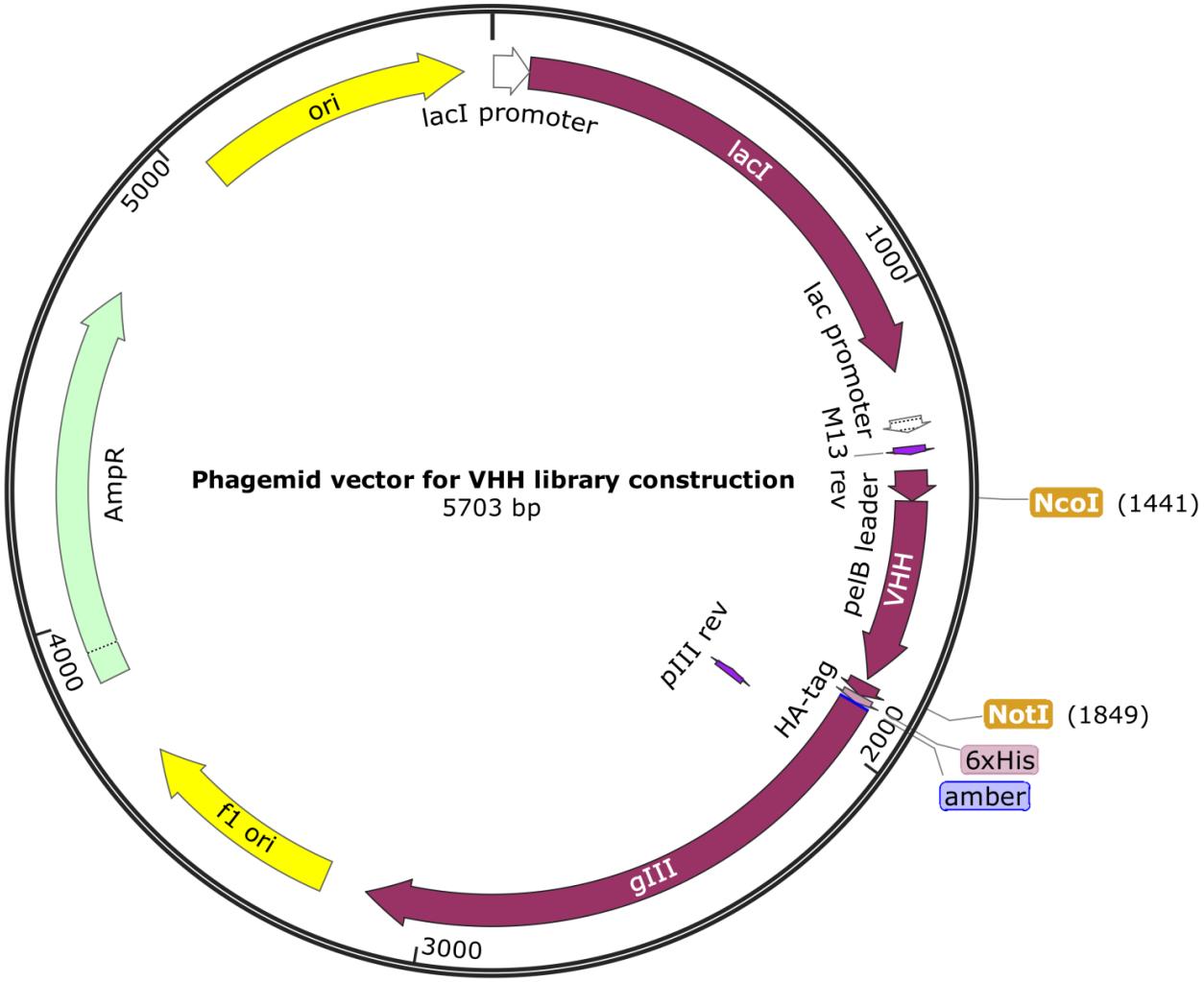
Specification	Value
Antibiotic resistance	Ampicillin (AmpR)
Expression system	Inducible for downstream expression
Delivery type	Transformation
Product type	Phage display / bacterial expression vector
Vector size	5,703 bp
Cloning method	NcoI / NotI restriction-enzyme cloning

Contents & Storage

Vial	Quantity	Component
1	100 µL, 10 µM	VHH repertoire amplification primer mix: 4 forward and 2 reverse oligos (normalized concentration)
2	100 µL, 10 µM	M13 Reverse primer for VHH forward sequencing
3	100 µL, 10 µM	pIII Reverse primer for VHH reverse sequencing
4	10.0 µg	pAPD-VHH phagemid vector in Tris-EDTA buffer

Store at -20°C. Primer sets and vector are guaranteed stable for 12 months when properly stored.

pAPD-VHH Vector Map



Phagemid vector for VHH library construction

5703 bp

Restriction sites: NcoI (1441 bp); NotI (1849 bp).