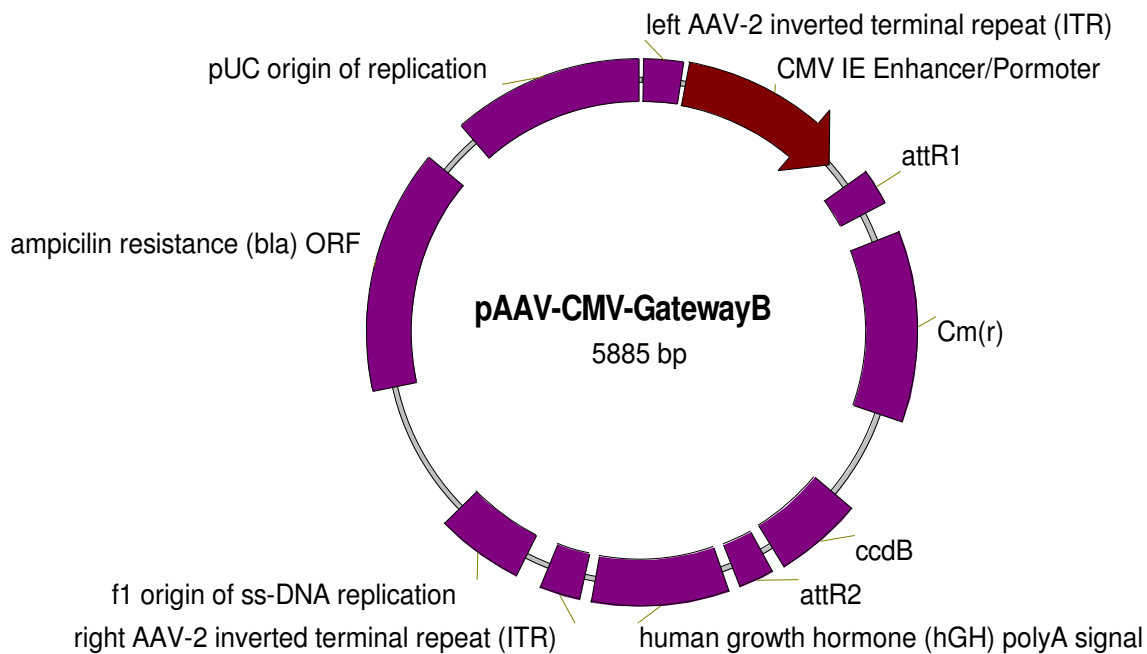


Plasmid Map

pAAV-CMV-GatewayB

Catalog Number: 0921



Left ITR: 1-141

CMV IE Enhancer/Promoter: 160-785

Gateway B cassette: 885-2589 (including attR1, Cm(r), ccdB, and attR2)

Human growth hormone poly-A: 2630-3108

Right ITR: 3148-3288

f1 origin: 3380-3686

ampicillin resistance (bla) ORF: 4205-5059

pUC origin of replication: 5213-5880

Note:

1. Gateway B cassette allows directional subcloning of gene of interest using Invitrogen's Gateway™ system. The pAAV-CMV-GatewayB shuttle plasmid works as a "destination plasmid". The gene of interest needs to be in pENTR plasmid. Refer to user manual of Invitrogen's Gateway™ system for detail of subcloning procedures.
2. Chloramphenicol resistance gene (Cm(r)) allows confirmation of the plasmid to contain the Gateway™ cassette by adding chloramphenicol to agar plates or culture broth.
3. The plasmid contains ccdB toxic gene. Use *One Shot ccdB Survival T1 Phage –Resistant Cell* from Invitrogen (Cat. No. C7510-03) for further expansion.
4. This shuttle plasmid allows transgene as large as 3400bp (between two recombination sites) to be packed into AAV vector.