

Vector Map

Cat. No. 632610

AAVpro CRISPR/Cas9 Vector Set (Not sold separately)

Sold as a part of Cat. Nos.632608, 632609

Location of Features: pAAV-Guide-it-Down Vector (Linear)

- sgRNA (single-guide RNA scaffold segment; user clones guide sequence): 1–93
- 3' ITR (3' inverted terminal repeat): 153–293
- Amp^R promoter: 555–659
- Amp^R (ampicillin resistance gene): 660–1520
- ori (high-copy-number ColE1/pMB1/pBR322/pUC origin of replication): 1691–2279
- 5' ITR (5' inverted terminal repeat): 2697–2837
- Cas9-Down (Cas9 nucleotides 1489–4104): 2850–5465
- NLS (nuclear localization signal of SV40 large T antigen): 5481–5501
- DYKDDDDK (FLAG epitope) tag: 5502–5525
- hGH polyA signal: 5537–6013
- U6 promoter: 6136–6376
- Guide-it™ Sequencing Primer 1: 6303–6326

NOTE: The GenBank file provided for this vector does not show the overhangs of the cloning site. Complementary bases fill in the gaps of the sequence file, though they are not present in the actual linearized vector.

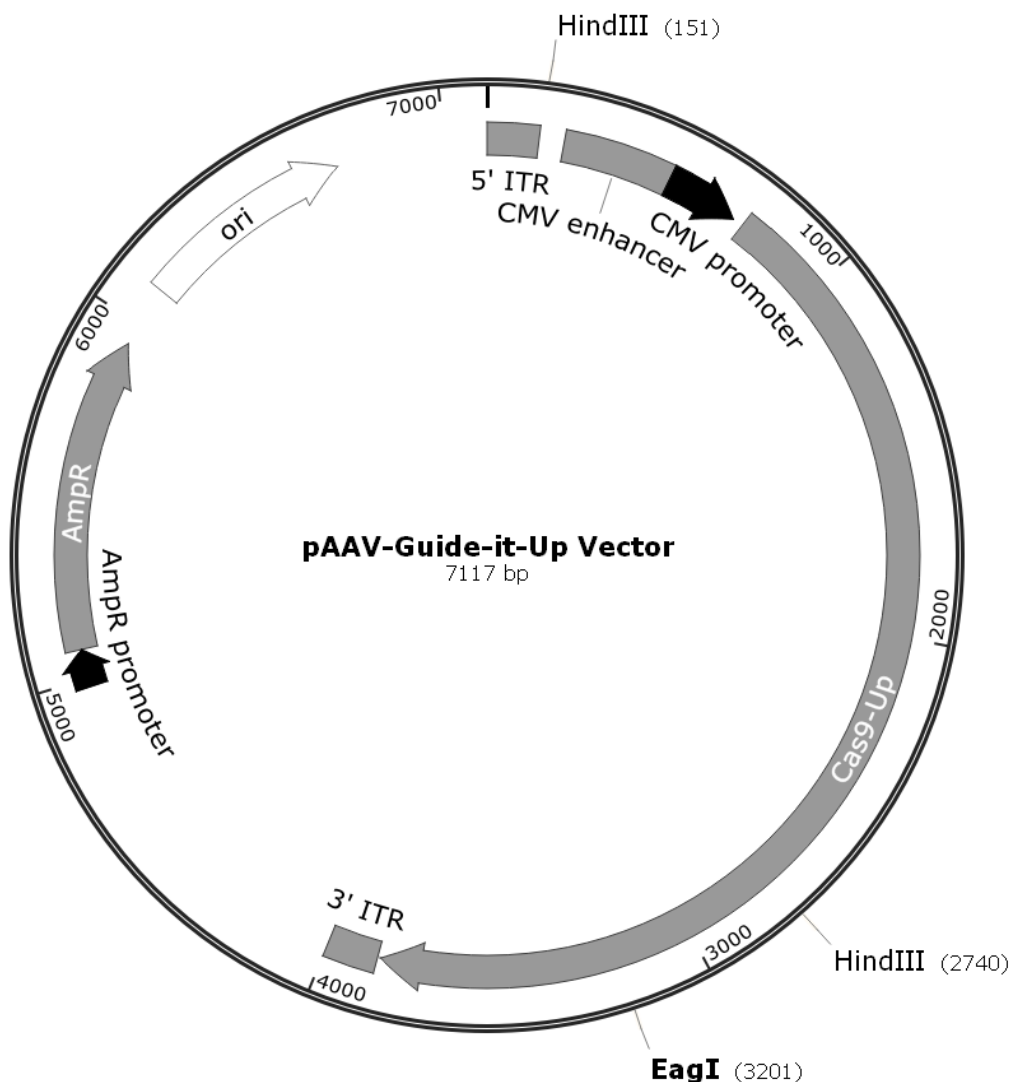


Figure 2. pAAV-Guide-it-Up Vector map.

Location of Features: pAAV-Guide-it-Up Vector

- 5' ITR (5' inverted terminal repeat): 1–141
 - CMV enhancer: 210–513
 - *P*_{CMV} (CMV promoter): 514–717
 - Cas9-Up (Cas9 nucleotides 1–3106): 748–3853
 - 3' ITR (3' inverted terminal repeat): 3860–4000
 - Amp^R promoter: 4976–5080
 - Amp^R (ampicillin resistance gene): 5081–5941
 - ori (high-copy-number ColE1/pMB1/pBR322/pUC origin of replication): 6112–6700
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This document has been reviewed and approved by the Quality Department.