

pAAV-Guide-it-1 Vector (Linear)

Catalog No(s).

632621 (Not sold separately)

Sold as a part of 632618, 632619

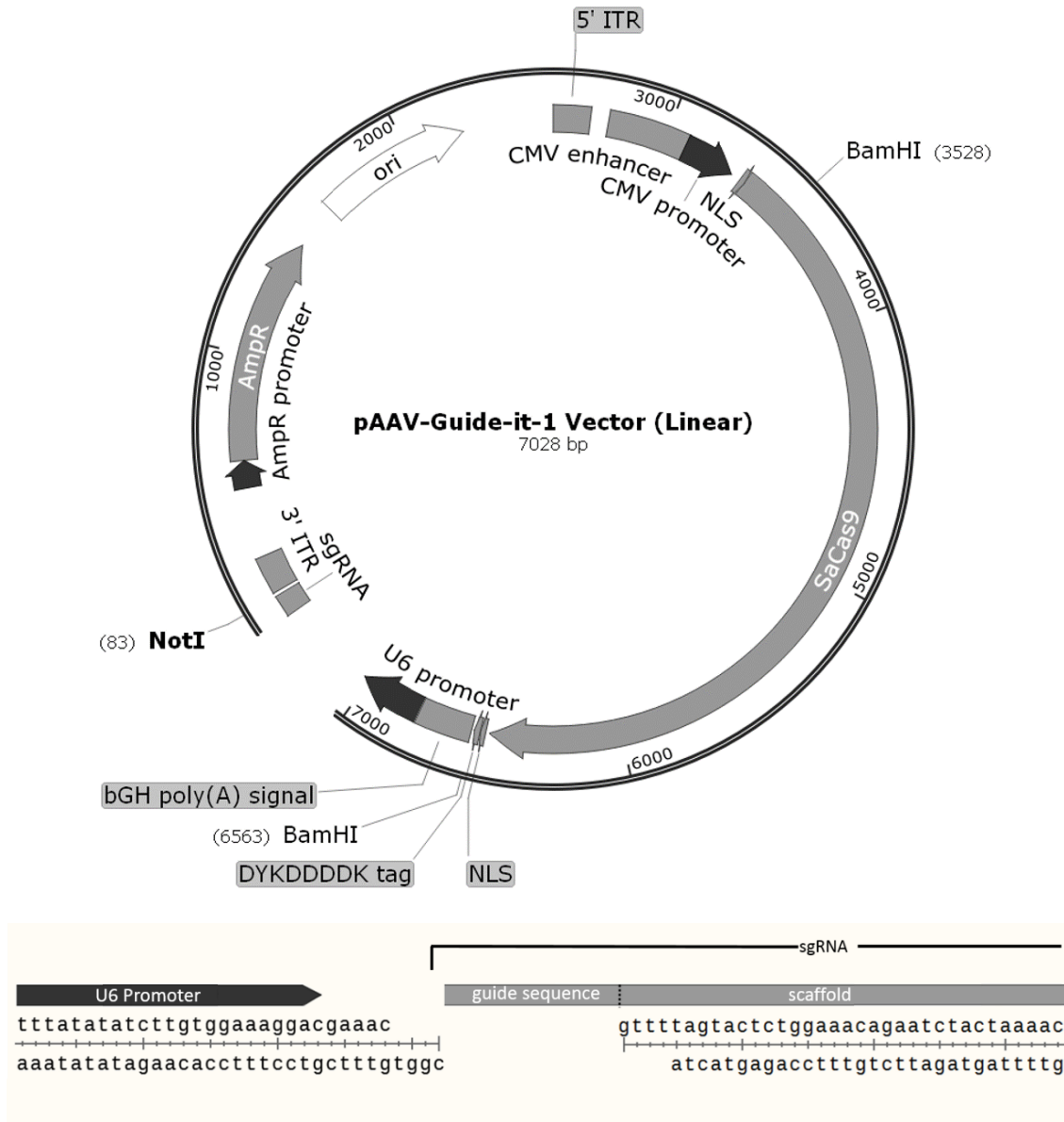


Figure 1. pAAV-Guide-it-1 Vector (Linear) map (top) and cloning site for user's guide sequence (bottom). See the AAVpro® CRISPR SaCas9 Systems User Manual for more information.

Clontech Laboratories, Inc.

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Vector Map

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Location of Features

- sgRNA (single-guide RNA scaffold segment; user clones guide sequence): 1–81
- 3' Inverted Terminal Repeat (ITR) 96–236
- Amp^R promoter: 498–602
- Amp^R (ampicillin resistance gene): 603–1463
- ori (high-copy-number ColE1/pMB1/pBR322/pUC origin of replication): 1634–2222
- 5' ITR: 2567–2707
- CMV enhancer: 2776–3079
- P_{CMV} (CMV promoter): 3080–3283
- NLS (nuclear localization signal of SV40 large T antigen): 3323–3343
- SaCas9 protein (from *Staphylococcus aureus*): 3344–6499
- NLS (nuclear localization signal of SV40 large T antigen): 6515–6535
- DYKDDDDK (FLAG epitope) tag: 6536–6559
- bGH polyA signal: 6569–6776
- U6 promoter: 6783–7023
- Guide-it™ Sequencing Primer 1: 6950–6973

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.

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