

Datasheet for ABIN4948178 pCasGuide Control Vector

Overview

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| Quantity: | 10 µg |
| Insert: | Empty |
| Vector: | Mammalian Expression Vector |
| Application: | Negative Control (NC), Cloning (Clon) |

Product Details

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| Purpose: | pCAS-Guide vector (with Cas9 expression) for genomic target sequence cloning |
| Vector Backbone: | pCas-Guide |
| Promoter: | U6 Promoter, Enhanced CMV Promoter |
| Bacterial Resistance: | Ampicillin |
| Expression Type: | Transient |
| Specificity: | All-in-one vector Expresses human codon-optimized Cas9 BamH I and BsmB I can be used for genomic target sequence cloning Expresses gRNA containing the inserted target sequence and the gRNA scaffold |
| Sequencing Primer: | CF3 (ACGATACAAGGCTGTTAGAGAG) |

Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Lyophilized |
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Handling

Reconstitution:

1. Briefly centrifuge for 30 seconds.
2. Carefully open the tube and add sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom.
5. Store the plasmid at -20 °C.

Storage: 4 °C/-20 °C

Storage Comment: The lyophilized plasmid can be stored at ambient temperature for three months.

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)