

ArciTect™ Annealing Buffer (5X)

For guide RNA generation in CRISPR-Cas9 genome editing



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Catalog # 76020 1 mL

Product Description

ArciTect™ Annealing Buffer (5X) is required to anneal ArciTect™ tracrRNA (Catalog #76016) and ArciTect™ crRNA (Catalog #76010) to form a guide RNA (gRNA) duplex.

Properties

Storage: Store at -20°C. Alternatively, store at 2 - 8°C for up to 6 months.
Shelf Life: Stable for 24 months from date of manufacture (MFG) on label.
Contains: HEPES and potassium acetate, pH 7.5

Directions for Use

For complete instructions on CRISPR-Cas9 genome editing, refer to the Technical Bulletin: Human Pluripotent Stem Cell Genome Editing Using the ArciTect™ CRISPR-Cas9 System (Document #27084), available at www.stemcell.com or contact us to request a copy.

Related Products

For related products, including other genome editing tools, specialized cell culture and storage media, supplements, antibodies, cytokines, and small molecules, visit www.stemcell.com or contact us at techsupport@stemcell.com.

References

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- Hultquist JF et al. (2016) A Cas9 ribonucleoprotein platform for functional genetic studies of HIV-host interactions in primary human T cells. *Cell Rep* 17(5): 1438–52.
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- Liang X et al. (2015) Rapid and highly efficient mammalian cell engineering via Cas9 protein transfection. *J Biotechnol* 208: 44–53.
- Ran FA et al. (2013) Double nicking by RNA-guided CRISPR Cas9 for enhanced genome editing specificity. *Cell* 154(6): 1380–9.
- Rupp LJ et al. (2017) CRISPR/Cas9-mediated PD-1 disruption enhances anti-tumor efficacy of human chimeric antigen receptor T cells. *Sci Rep* 7(1): 737.

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