

Product Data Sheet

Cat#: AD-132-U
Cat#: AD-132-B, Biotin labeled
Cat#: AD-132-F, FITC labeled

Product Description: PC12 Cells (Aptamer17a)

Aptamer Type: DNA

Sequence: 5'-GGTTGGATGTAAGGTTGGAGGGGGG-3'; 25-mer

Size 100 nM

Mol. Wt: 7954.23 g/mole

Purity: >95%

Affinity: n/a

Comments: n/a

Notes: Aptamer17 and the truncated aptamers with this basic structure could bind specifically to differentiated PC12 cells and identify these cells from a mixture of differentiated and undifferentiated PC12 cells clinically.

References: "Liu et al. "Dissection of the Functional Structure of Aptamer17, Which Specifically Recognizes Differential PC12 Cells." Nucleic Acid Therapeutics, 21(2011): 225-229. Wang et al. "Single-stranded DNA Aptamers that bind Differentiated but not Parental Cells: Subtractive Systematic Evolution of Ligands by Exponential Enrichment." J. Biotechnol., 102(2003): 15-22.

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