



Product Data Sheet

Cat#: AD-154-U

Cat#: AD-154-B, Biotin labeled

Cat#: AD-154-F, FITC labeled

Product Description: YPEN-1 Endothelial Cells (III.1)

Aptamer Type: DNA

Sequence: 5'-

ATACCAGCTTATTCAATTAGGCGGTGCATTGTGGTTGGTAGTATACATGAGGTTTGGTTGAGACTAGTCGCAAGATATAGATAGTAA
GTGCAATCT-3'; 96-mer

Size 100 nM

Mol. Wt: 29854.53 g/mole

Purity: >95%

Affinity: n/a

Comments: n/a

Notes: Adenovirus-12 SV40-transformed YPEN-1 rat endothelial cell line was used to select the aptamer III.1 that bound micro vessels of rat brain glioblastoma but not the vasculature of the normal rat brain including peritumoral areas. This aptamer is identified as rat homologue of mouse pippen.

References: Blank et al. "Systematic Evolution of a DNA Aptamer Binding to Rat Brain Tumor Microvessels." The Journal of Biological Chemistry. (2001). 276: 16464-16468.

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