

Product Data Sheet

Cat#:	AD-122-U
Cat#:	AD-122-B, Biotin labeled
Cat#:	AD-122-F, FITC labeled
Product Description:	HIV-1 RT (4.3)
Aptamer Type:	DNA
Sequence:	5'- AGCAGCACAGAGGTCAGATGGCAGGTTTCGACGTACAATGCTATGGAGGCTTTATGATCGCCTATGCGTGCTACCGTGAA-3'; 80- mer
Size	100 nM
Mol. Wt:	24799.14 g/mole
Purity:	>95%
Affinity:	190 pM (reported value)
Comments:	n/a
Notes:	A library of ssDNA was incubated with HIVRT. Sequences bound to HIVRT were isolated using CE, PCR amplified, and purified, yielding an enriched ssDNA pool suitable for further rounds of selection. Aptamers with dissociation constants as low as 180 pM were isolated after four rounds of selection.
References:	Mosing, Renee K., et al. "Capillary Electrophoresis-SELEX Selection of Aptamers with Affinity for HIV-1 Reverse Transcriptase." <i>Analytical Chemistry</i> , 77 (2005): 6107-6112.

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