

Product Data Sheet

Cat#: AD-146-U
Cat#: AD-146-B, Biotin labeled
Cat#: AD-146-F, FITC labeled

Product Description: Taq DNA polymerase (TQ21)

Aptamer Type: DNA

Sequence: 5'-
TTCTCGGTTGGTCTCTGCGGAGCGATCATCTCAGAGCATTCTTAGCGTTTTGTTCTTGTGTATGATTCGCTTTTCCC-3'; 78-mer

Size 100 nM

Mol. Wt: 23951.56 g/mole

Purity: >95%

Affinity: 36 pM (reported value)

Comments: n/a

Notes: Taq DNA polymerase is a thermostable polymerase used in PCR. ssDNA sequence selected bound Taq pol with dissociation constants in the low picomolar range, and efficiently inhibited polymerase activity at room temperature (20 to 25 degrees C), but did not inhibit at temperatures above 40 degrees C.

References: Sumedha and Dang. "Oligonucleotide inhibitors of Taq DNA polymerase facilitate detection of low copy number targets by PCR." Journal of Molecular Biology, 264 (1996): 268-78.

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