



## Product Data Sheet

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**Cat#:** AD-101-U  
**Cat#:** AD-101-B, Biotin labeled  
**Cat#:** AD-101-F, FITC labeled

**Product Description:** Abrin Toxin (TA6)

**Aptamer Type:** DNA

**Sequence:** 5'-ATC CTG TGA GGA ATG CTC ATG CAT AGC AAG GGC T-3'; 34-mer

**Size** 10 nM or Custom

**Mol. Wt:** 10506.89 g/mole

**Purity:** >95%

**Affinity:** ~28 nM (reported value)

**Comments:** n/a

**Notes:** Abrin toxin belongs to class II ribosome-inactivating proteins family, has high toxicity to eukaryotic cells. DNA aptamers, isolated by in vitro selection, recognize abrin toxin with high affinity and specificity, and have the advantage of no cross-reaction with structure-similar protein ricin toxin over antibodies.

**References:** Tang, J., et al. "In vitro selection of DNA aptamer against abrin toxin and aptamer-based abrin direct detection." *Biosensors and Bioelectronics*, 22 (2007): 2456-2463.

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