

## Product Data Sheet

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**Cat#:** AD-147-U  
**Cat#:** AD-147-B, Biotin labeled  
**Cat#:** AD-147-F, FITC labeled

**Product Description:** Tenascin-C (GBI-10)

**Aptamer Type:** DNA

**Sequence:** 5' -  
GGCTGTTGTGAGCCTCCTCCAGAGGGAAGACTTTAGGTTTCGGTTCACGTCCCGCTTATTCTTACTCCC -3'; 69-mer

**Size** 100 nM

**Mol. Wt:** 21127.69 g/mole

**Purity:** >95%

**Affinity:** 150 nM (reported value)

**Comments:** At least a 10-fold decrease in Kd at 22°C and 37°C.

**Notes:** Interaction of Aptamer GBI-10 with Tenascin-C was used to identify the protein target from glioblastoma-derived cell line, U251 is reported. Tenascin-C is believed to be involved in both embryogenesis and oncogenesis pathways. Systematic evolution of ligands by exponential enrichment appears to be a successful strategy for the a priori identification of targets of biological interest within complex systems.

**References:** Dion, Daniels, et al. "A tenascin-C aptamer identified by tumor cell SELEX: Systematic evolution of ligands by exponential enrichment." PNAS 100,(2003): 15416-15421.

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