

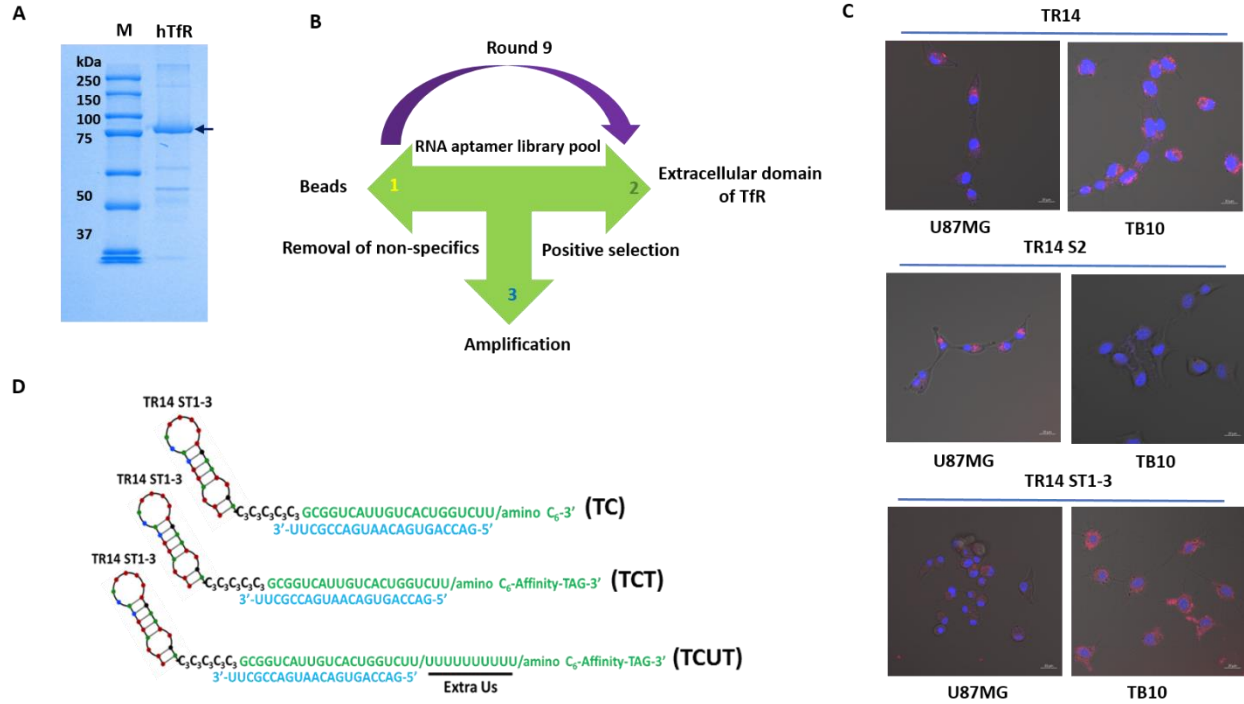
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Supplemental Information

Targeted Delivery of C/EBP α -saRNA by RNA Aptamers Shows Anti-tumor Effects in a Mouse Model of Advanced PDAC

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Supplementary Figure S1



Supplementary Figure S1. Ectodomain SELEX, cross-activity and constructs of albumin affinity tag (a) The extracellular domain of hTfR protein tagged with His6 was visualized using 10% SDS-PAGE and Coomassie stain; arrow indicates the protein at the expected size. M; marker, hTfR; human transferrin receptor (10 μ g/lane) (b) An RNA aptamer library pool was incubated with agarose beads to remove non-specific binders (1). The supernatant was incubated with His6-hTfR for positive selection (2). After extraction of binders to hTfR, RNA aptamers were amplified by PCR and *in vitro* transcription (3). After 9 rounds of SELEX, the aptamer sequence was identified. (c) Cross-activity of TR14 and its truncates on TfR1 and TfR2 on selectively expressed on glioblastoma cell line; U87MG and TB10. Red: Cy3-labeled RNAs; blue: Hoechst 33342 for nuclei. Scale bar: 10 μ m. (d) Illustration of three TR14 ST1-3 conjugates without (TC) or with (TCT, TCUT) an albumin affinity tag at the 3' end, in which the relative position of different modules can be seen.

Supplementary Table S1. The frequency of RNA aptamers

Name	Sequence	Frequency (%)
TR14	5'-GGGAGACAAGAAUAAACGCUCAAUGCGUUCACGUUUAUUCACAU UUUUGAAUUGAGCAUGAGCUUCGACAGGAGGCUCACAACAGGC-3'	9/25 (36%)