

APTAMERS INFORMATION

DQGBN

1a. Description:

- *Identifiers:* DQGBN
- *Number of DNA nucleotides:* 32 bases
- *Target for selection:* Recombinant Human FABP4 (Sino Biological, Cat #12109-H07E)

Aptamer was proudly selected at Base Pair by V.S. from a randomized 32-mer library against the Recombinant Human FABP4 protein. Proprietary methods were then used to select the aptamer.

Aptamer folding instruction before use:

Once the aptamer is in its working concentration, it needs to be heated to 85-90 °C for 2 minutes, and then cooled to room temperature before use.

1b. Validation data with FABP4 by BSI (Back-Scattering Interferometry) method:

- *Buffer used for validation:* 1X PBS, pH = 7.4, 1 mM MgCl₂
- *Average K_d* = 0.338 nM

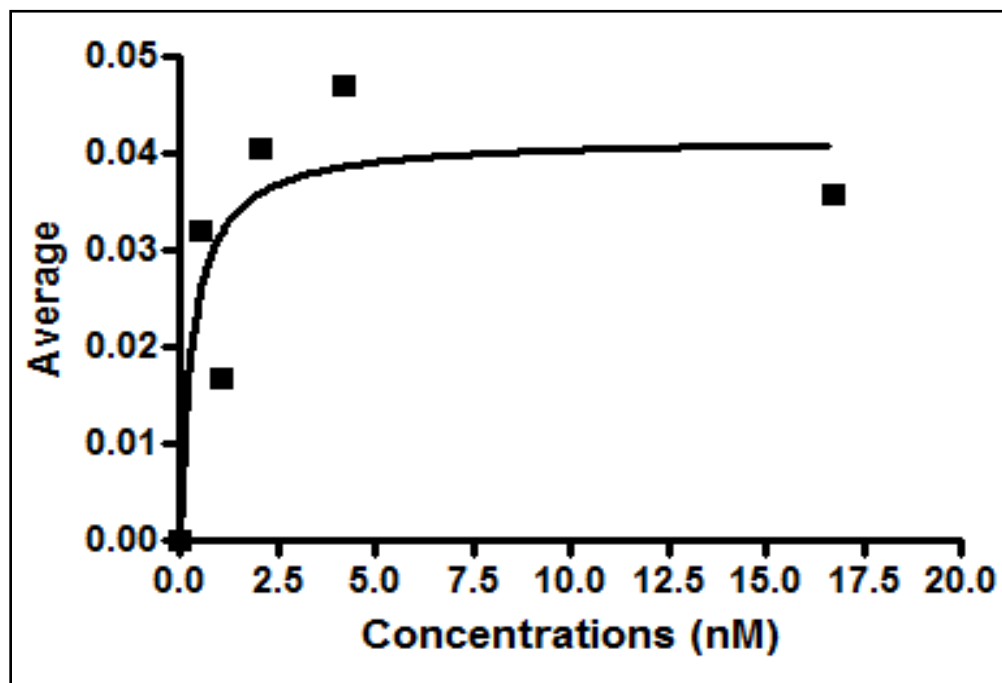


Figure 1. Aptamer-FABP4 binding. The phase shift of bound aptamer is plotted versus the titrated FABP4 concentration.