



## APTAMER INFORMATION

### P24 aptamer # 696

#### a. Description:

- Identifiers: p24\_ (Oligo # 696)
- Number of DNA nucleotides: 32 bases
- Target for selection: HIV 1- p24 gag his tag recombinant, Prospecbio [Cat# HIV-149]

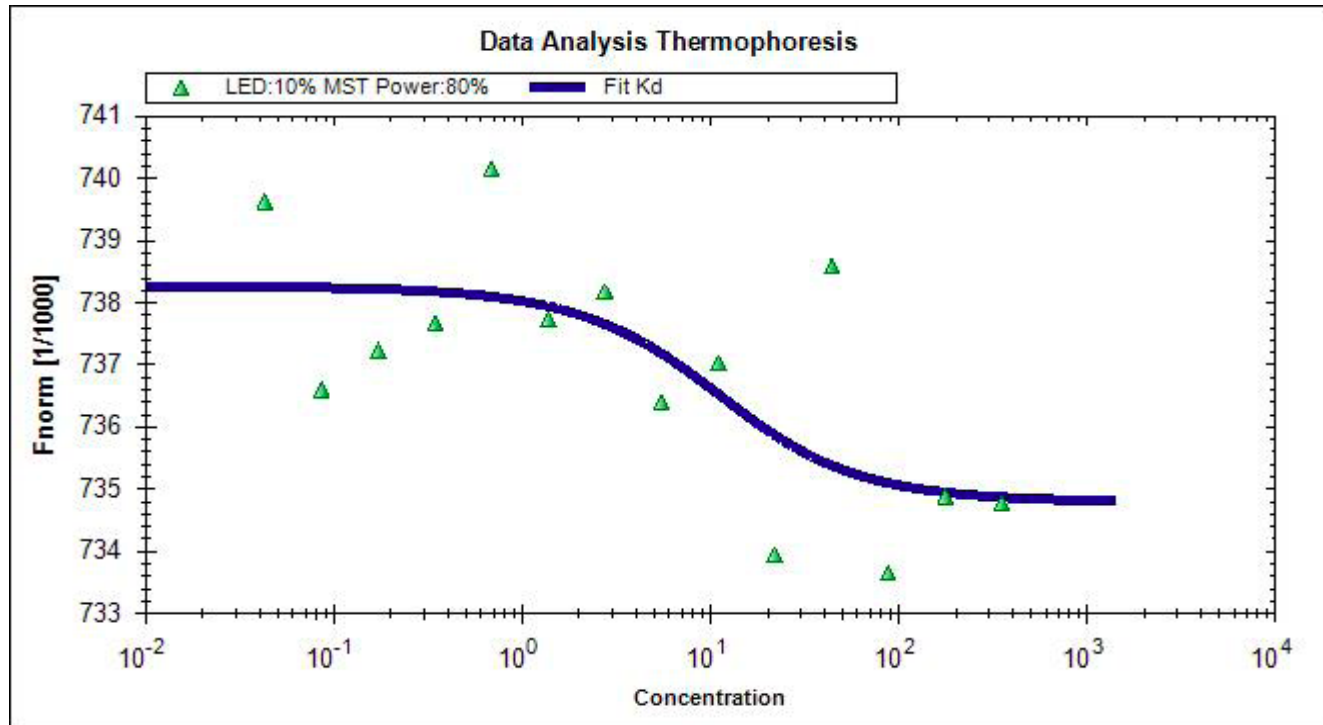
Aptamer was selected from a randomized 32-mer library against p24 protein. Proprietary methods were then used to select the aptamer.

#### b. 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 p24 by MST (Microscale Thermophoresis) method:

- Buffer used for validation: 1X PBS, pH = 7.4, 1 mM MgCl<sub>2</sub>
- Average K<sub>d</sub> = 10.4 ± 5.9 nM



**Figure 1.** Aptamer-p24 binding. The thermophoresis is plotted versus the titrated p24 concentration.