

## APTAMER INFORMATION

### CLIC\_0.88\_3

#### 1a. Description:

- *Identifiers:* CLIC\_0.88\_3
- *Number of DNA nucleotides:* 32 bases
- *Target for selection:* Recombinant Human Chloride Intracellular Channel 1, ProspecBio, (Catalog #Pro-833-b)

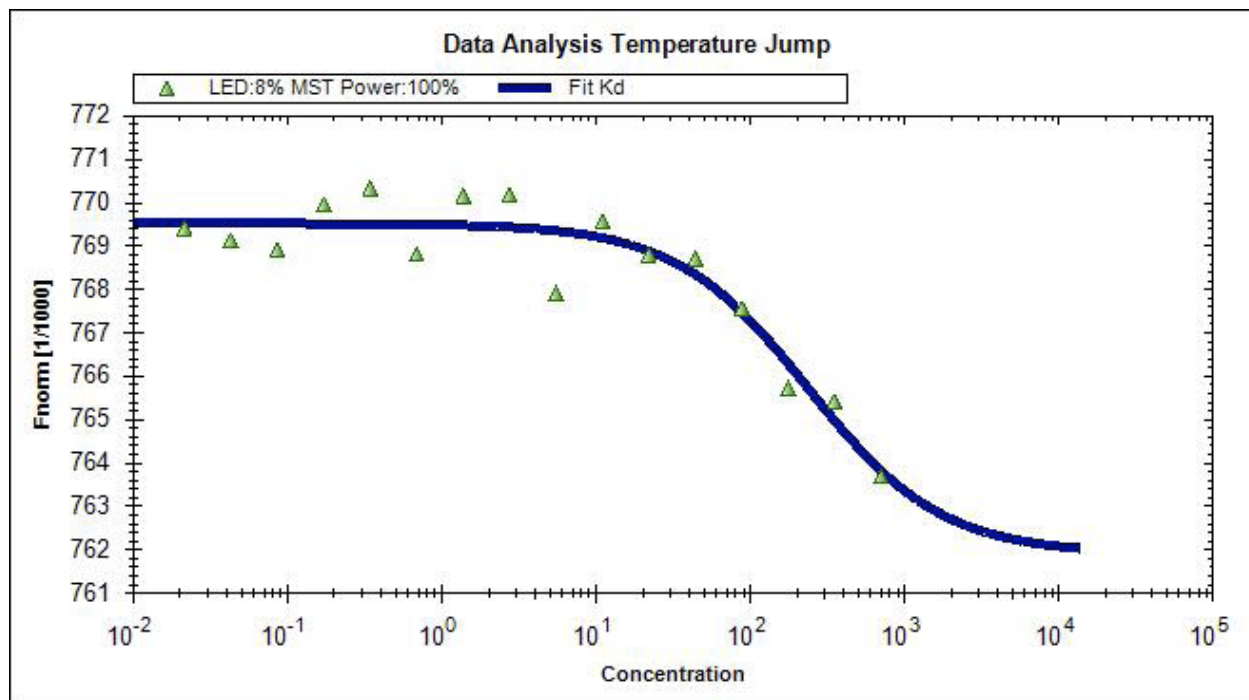
Aptamer was selected from a randomized 32-mer library against Human CLIC 1 protein. Proprietary methods were then used to select the aptamer.

#### 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 CLIC 1 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>* = 169 ± 17.5 nM



**Figure 1.** Aptamer-CLIC1 binding. The thermophoresis is plotted versus the titrated CLIC1 concentration.