



DNA Aptamer against Lysozyme

SKU# APT-003: DNA Aptamer against Lysozyme

Background

Lysozyme is a protein that is found in many animals and plants, and is a key component of the immune system. Lysozyme is an antibacterial enzyme that breaks down the cell walls of bacteria, causing them to burst. It's found in many bodily secretions, including tears, saliva, and mucus, and in tissues like the lungs and small intestine. Lysozyme is being studied as an alternative to antibiotics to treat infectious diseases and wounds.

Aptamer type: DNA aptamer

Aptamer length: 76 bp

Affinity KD: 4 nM

Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-003-10	Single strand DNA, lyophilized powder	10 nmol
APT-003-30	Single strand DNA, lyophilized powder	30 nmol

- Store at -20° ; reagents are guaranteed stable for 12 months when properly stored.

References

Hünniger, T., et al., Just in time – selection: a rapid semiautomated SELEX of DNA aptamers using magnetic separation and BEAMing, *Anal. Chem.* 86 (2014) 10940–10947.