



DNA Aptamer against Gluten

SKU# APT-023: DNA Aptamer against Gluten

Background

Gluten is a protein found in wheat, rye, barley, and other grains that gives structure and texture to food. Gluten helps foods maintain their shape and structure and enhance flavor. Gluten is only a problem for people who react negatively to it or test positive for celiac disease. Symptoms of gluten-related disorders can include digestive issues, skin problems, neurological issues, weight loss, and more.

Aptamer type: DNA aptamer

Aptamer length: 40 bp

Affinity KD: 1.4 \pm 0.2 μ M

Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-023-10	Single strand DNA, lyophilized powder	10 nmol
APT-023-30	Single strand DNA, lyophilized powder	30 nmol

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

References

Svigelj, R., et al., Selection of anti-gluten DNA aptamers in a deep eutectic solvent, *Angew. Chemie – Int. Ed.* 2018, 57: 12850–12854.