



DNA Aptamer against Beta-lactoglobulin (BLG)

SKU# APT-002: DNA Aptamer against Beta-lactoglobulin (BLG)

Background

Beta-lactoglobulin (BLG) is a globular protein that's the main protein found in cow and sheep milk, which is involved in transporting low-polarity micronutrients from mother to offspring. It is an allergen, especially in early childhood.

Aptamer type: DNA aptamer

Aptamer length: 79 bp

Affinity KD: 65.0 ± 7.4 nM

Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-002-10	Single strand DNA, lyophilized powder	10 nmol
APT-002-30	Single strand DNA, lyophilized powder	30 nmol

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

References

Qi, S. et al., High-affinity aptamer of allergen β -lactoglobulin: selection, recognition mechanism and application, Sensors Actuators, B Chem. 340 (2021) 129956.