
DNA Aptamer against Angiopoietin-2 (ANGPT2)

SKU# APT-027: DNA Aptamer against Angiopoietin-2 (ANGPT2)

Background

Angiopoietin-2 (ANGPT2) is a protein that plays a crucial role in angiogenesis, the process of forming new blood vessels. It acts as a regulator by binding to the endothelial-specific receptor tyrosine kinase 2 (TIE2). This interaction can either promote or inhibit blood vessel formation depending on the context.

Aptamer type: DNA aptamer

Aptamer length: 40 bp

Affinity KD: 20.5 \pm 7.3 nM

Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-027-10	Single strand RNA, lyophilized powder	10 nmol
APT-027-30	Single strand RNA, lyophilized powder	30 nmol

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

References

Cho, M., et al, Quantitative selection and parallel characterization of aptamers, Proc. Natl. Acad. Sci. U. S. A. 110 (2013) 18460–18465.