



RNA Aptamer against Angiopoietin-2 (ANGPT2)

SKU# APT-056: RNA 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: RNA aptamer

Aptamer length: 41 bp

Affinity KD: 2.2 nM

Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-056-10	Single strand RNA, lyophilized powder	10 nmol
APT-056-30	Single strand RNA, lyophilized powder	30 nmol

- Store at -80° ; reagents are guaranteed stable for 12 months when properly stored.

References

White, R. R., et al., Inhibition of rat corneal angiogenesis by a nuclease-resistant RNA aptamer specific for angiopoietin-2. PNAS, 2003, 100(9): 5028–5033.