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# DNA Aptamer against Thyroid Transcription Factor 1

SKU# APT-017: DNA Aptamer against Thyroid Transcription Factor 1 (TTF-1)

## Background

Thyroid transcription factor 1 (TTF-1) is a protein that plays a role in the development and function of the thyroid, lung, and brain. TTF-1 is a useful marker for diagnosing thyroid and lung tumors because it's expressed in these tissues but not in many others. TTF-1 expression is commonly found in lung cancer, particularly adenocarcinoma.

**Aptamer type:** DNA aptamer

**Aptamer length:** 40 bp

**Affinity KD:** 3.36 nM

## Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-017-10	Single strand DNA, lyophilized powder	10 nmol
APT-017-30	Single strand DNA, lyophilized powder	30 nmol

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

## References

Murphy, M.B., et al., An improved method for the in vitro evolution of aptamers and applications in protein detection and purification, Nucleic Acids Res. 31 (2003) 110e–110.