

Tth Argonaute

Synonym: TtAgo

Catalog Number: GE0016

Catalog Number	Product Size	Concentration	Price
GE0016	50 pmol	1 μ M	Online Inquiry

Product Information	
Product Name	Tth Argonaute
Synonym	TtAgo
Description	<p><i>Thermus thermophilus</i> argonaute (TrAgo) is a prokaryotic programmable DNA-endonuclease from the Gram-negative, thermophilic bacterium <i>Thermus thermophilus</i>. As a DNA-guided endonuclease, it requires a 16-18 nucleotide long 5'-phosphorylated single-stranded DNA oligonucleotide guide to target its activity to a specific corresponding sequence on a substrate.</p> <p>TrAgo is active from 65-85°C. It exhibits mild activity on single-stranded RNA, moderate to high activity on double-stranded DNA, and high activity on single-stranded DNA.</p>
Applications	Single-tube, isothermal generation of the Cas9-sgRNA constructs.

Properties	
Storage Temperature	-20°C
Storage Conditions	<ul style="list-style-type: none"> • 10 mM Tris-HCl • 300 mM NaCl • 1 mM DTT • 0.1 mM EDTA • 50% Glycerol • pH 7.4 at 25°C
Shipping Conditions	Blue ice.