



LwaCas13a Nuclease (mCCE-TX-3)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Storage	Store at -20°C for 1 year; For long-term storage, -80°C is recommended.	
Product Type	Raw Material Enzyme	
Buffer	LwaCas13a Cleavage Buffer (5×)	
Purity	~95%(verified by SDS-PAGE)	
Application Note	It can be combined with CRISPR system to realize the detection and signal amplification of RNA template, and the results can be directly observed by fluorometer or test paper.	
Unit Size	100 pmol, 500 pmol, 1000 pmol	
Source	Leptotrichia wadei	
Enzymatic Activity	9 transU/pmol	
ReactionSystem	Component	Sample Volume
	5× Cleavage Buffer	4 μL
	5 μM LwaCas13a	0.2 μL(50 nM)
	500 nM crRNA	1 μL(25 nM)
	2 μM ssRNA Reporter	1.25 μL(125 nM)
	10 U RNase Inhibitor	1 μL(0.5 U)
	1 μM RNA target	1 μL(50 nM)
	RNase-free ddH ₂ O	Up to 20 μL
Reaction Condition	Using a real-time fluorescent quantitative PCR or constant temperature fluorescence signal amplification detection, 37°C reaction, once every 30 sec to collect fluorescence signal.	

Molecular Weight

140.1 kDa
