



## AapCas12b Nuclease (mCCE-TX-1)

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

### PRODUCT INFORMATION

<b>Storage</b>	Store at -20°C for 1 year; For long-term storage, -80°C is recommended.
<b>Product Type</b>	Raw Material Enzyme
<b>Buffer</b>	AapCas12b Cleavage Buffer (10×)
<b>Purity</b>	~95%(verified by SDS-PAGE)
<b>Application Note</b>	It is suitable for use in combination with loop-mediated isothermal amplification (LAMP), and has a broad application prospect in the field of rapid nucleic acid detection.
<b>Unit Size</b>	100 pmol, 500 pmol, 1000 pmol
<b>Source</b>	Alicyclobacillus acidophilus
<b>Enzymatic Activity</b>	30 trans U/pmol

ReactionSystem	Component	Sample Volume
	10× Cleavage Buffer	2 µL
	5 µM AapCas12b Nuclease	0.8 µL(200 nM)
	500 nM crRNA	8 µL(200 nM)
	4 µM ssDNA Reporter	1 µL(200 nM)
	1 µM DNA target	1 µL(200 nM)
	RNase-free ddH2O	Up to 20 µL

<b>Reaction Condition</b>	Using a real-time fluorescent quantitative PCR or constant temperature fluorescence signal amplification detection, 60°C reaction, once every 30 sec to collect fluorescence signal. It also can be directly observed under UV light fluorescent signal.
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**Molecular Weight**

130.5 kDa

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