



Cas9 Nuclease, NLS (mCCE-TX-5)

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

PRODUCT INFORMATION

Storage	Seal and store at -20°C.
Product Type	Raw Material Enzyme
Buffer	50% glycerol.
Purity	~95%(verified by SDS-PAGE)
Application Note	It has a broad application prospect in the field of rapid nucleic acid detection. The introduction of nuclear localization signals (NLS) can help Cas9 enter the nucleus, increasing the chance of genomic DNA cleavage.
Unit Size	70 pmol, 400 pmol, 2000 pmol
Source	S.pyogenes

ReactionSystem	Component	Sample Volume
	10× Cleavage Reaction Buffer	2 µL
	10 µM Cas9 Nuclease	0.5 µL(250 nM)
	10 µM sgRNA	0.5 µL(250 nM)
	1 µM dsDNA target	0.5 µL(100-500 ng)
	RNase-free ddH2O	Up to 20 µL

Reaction Condition	37°C for 30 min to 1 h, inactivate at 85°C for 5 min. Nucleic acid electrophoresis analysis of cis shear.
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