Cas12a Master Mix (Fluorescent)

Cas12a forms a functional complex with crRNA, "gliding" over the amplification product of the DNA, and upon successful pairing, Cas12a is specifically activated, trans-cleaving the surrounding reporter molecule. This feature can be used in the field of molecular diagnostics to detect pathogens. This kit combines the RPA amplification and the CRISPR/Cas12a detection to achieve ultra-sensitive and rapid detection of DNA. It is of great helpful for researcher to develop point-of-care product.

Cas12a master mix contains contains Cas12a, reaction buffer, reporter molecule, positive control. Simply add the sample, such as the DNA amplicons and the corresponding crRNA. Cas12a will be activated. Reporter will be cleaved and fluorescent signal will be generated.

Catalog No.	518901
Size	96 rxns
Product Category	Isothermal Amplification
Storage/Stability	-20°C/1 year
Shipping	Gel Packs