



As Cas12a [Cpf1]

As Cas12a (Cpf1) is a member of the Cas12a family of proteins. Derived from *Acidaminococcus* sp. Cas12a. It binds with crRNA to form functional complex, that specifically recognizes DNA sequences, and trans-cleaves ssDNA

As 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.

Material Supplied:

- 1) AsCas12a protein
- 2) Reaction Buffer [10x]
- 3) Diluent Buffer [1x]

Catalog No.	519202
Size	
Product Category	Isothermal Amplification
Pack Size	200pmol [10uM x 20ul] 2,000pmol [10uM x 200ul]
Storage/Stability	-20°C/1 year
Shipping	Gel Packs