

Nuclease	Target	Rebase Motif	PAM side	Spacer length	Example sequence
SpCas9	DNA	(3 / 3) NGG	3'	20nt	<p>Diagram illustrating the SpCas9 targeting mechanism. The target DNA sequence is shown with the Protospacer (ACGAACGTTTGAGAGCGAGA) and the PAM site (NGG). The gRNA (ACGAACGUUUGAGAGCGAGA) is base-paired with the complementary DNA sequence (TGCTTGCAAAC TCTCGCTCTNCC). The cut site is indicated by a black arrowhead between the Protospacer and the PAM site.</p>
AsCas12a	DNA	TTTV (18 / 23)	5'	23nt	<p>Diagram illustrating the AsCas12a targeting mechanism. The target DNA sequence is shown with the PAM site (TTTV) and the Protospacer (GGCTTGCAAAC TCTCGCTCTACA). The gRNA (GGCUUGCAAACUCUCGCUCUACA) is base-paired with the complementary DNA sequence (AAABCCGAACGTTTGAGAGCGAGATGT). The cut site is indicated by a black arrowhead between the PAM site and the Protospacer.</p>
CasRx	RNA	N	3'	23nt	<p>Diagram illustrating the CasRx targeting mechanism. The target RNA sequence is shown with the Protospacer (CCGGCTTGCAAAC TCTCGCTCTAN) and the PFS site (N). The gRNA (GGCCGAACGUUUGAGAGCGAGAU) is base-paired with the complementary RNA sequence. The cut site is indicated by a black arrowhead between the Protospacer and the PFS site.</p>