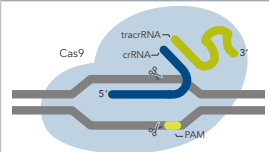
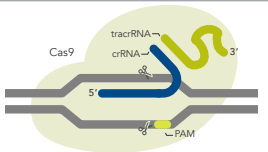
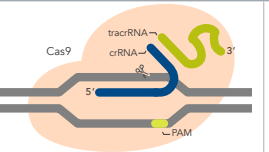
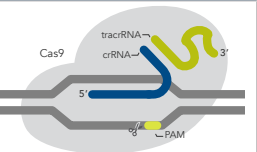


	Alt-R <i>S.p.</i> Cas9 Nuclease	Alt-R <i>S.p.</i> HiFi Cas9 Nuclease	Alt-R <i>S.p.</i> Cas9 D10A Nickase	Alt-R <i>S.p.</i> Cas9 H840A Nickase
				
Description	Wild-type Cas9 with high genome editing potency that is simple to use and economical	Cas9 variant with improved specificity based on reduced off-target effects, while preserving high on-target activity	Cas9 variant with a mutation in the RuvC domain that disables cleavage of the non-target strand	Cas9 variant with a mutation in the HNH domain that disables cleavage of the target strand
DNA cleavage	Both strands	Both strands	Target strand	Non-target strand
Suggested use	First choice for most CRISPR genome editing projects	Ideal for experiments that are sensitive to off-target events and require a high level of editing efficiency	May be beneficial for homology-directed repair (HDR) experiments, but requires two suitable cutting sites within an optimal distance of each other	
Molecular weight	162,200 g/mol			
Amount provided	100 µg or 500 µg			
Concentration	10 mg/mL (62 µM) in 50% glycerol			
Shipping conditions	Dry ice			
Storage conditions	-20°C at stock concentration			
Dilution	Dilute in a medium (such as OptiMEM®) or phosphate-buffered saline (PBS) before use			

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