

Introducing Sigma[®] CRISPR/Cas9 System

Efficient RNA-guided genome editing

Sigma CRISPR/Cas9 System

- Unique online design tool to select gene targets
- Pre-designed targets for any human, mouse or rat gene
- Custom designs available for any organism or gene target
- Proprietary design algorithm to reduce off-target effects
- Affordable with quick delivery and easy online ordering

CRISPR/Cas9 Subcloning Services

- Single vector format including Cas 9 protein expression cassette and gRNA
- GFP is co-expressed from the same mRNA as the Cas9 protein via a 2A peptide linkage
- Human U6 promoter drives gRNA expression, while CMV promoter drives expression of Cas9 and GFP proteins

For more information, visit
sigma.com/crisprs

To order, contact:

0800 936 666
ausorders@sial.com

Produced by the genome editing experts at Sigma[®] Life Science, Sigma CRISPRs are an affordable mammalian genome editing tool suited for screening and exploratory studies. CRISPRs are packaged in a single plasmid vector containing GFP for fast enrichment of gene-edited cells, and can be designed online using an exclusive bioinformatics tool.

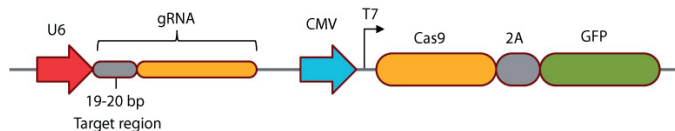


Figure 1. Schematic of CRISPR/Cas9 single plasmid format

The exclusive online design tool allows users to identify the best target site(s) within human, mouse, and rat protein-coding exons that adhere to CRISPR/Cas9 targeting requirements. It is the only commercial tool that minimizes the possibility of off-target effects by automatically applying CRISPR/Cas9 best design practices.

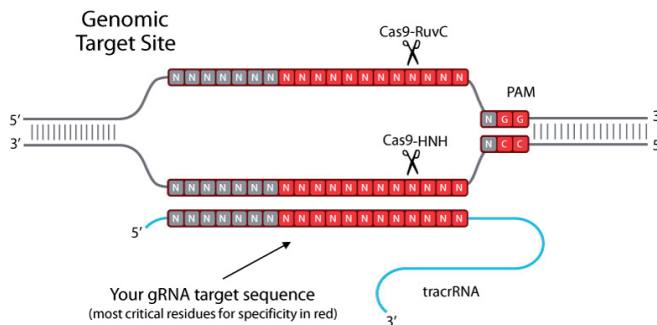


Figure 2. Schematic of a CRISPR/Cas9 - targeted double-strand break

Ordering Information	Format	List Price (NZ)	Delivery Time
CRISPRs pre-designed for human, mouse & rat	Plasmid	\$688.00	3 weeks
Custom CRISPRs	Plasmid	\$745.00	4 weeks

Note: Due to the wide variation in CRISPR endonuclease activity, it is highly recommended you test three to four CRISPR nucleases that target different DNA sequences.

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