




## Alt-R CRISPR-Cas9 guide RNA reference card

gRNA format	Alt-R CRISPR-Cas9 crRNA & tracrRNA	Alt-R CRISPR-Cas9 crRNA XT & tracrRNA	Alt-R CRISPR-Cas9 sgRNA
Structure			
Components	crRNA tracrRNA	crRNA XT tracrRNA	sgRNA
Stability	Moderate	High	Higher
Cost	\$	\$\$	\$\$\$
Applications	Cas9-expressing cells RNP* in most cell types	Co-delivery with Cas9 plasmid/Cas9 mRNA RNP* under difficult experimental conditions	

\* RNP: ribonucleoprotein complex

Discover more at [www.idtdna.com/CRISPR-Cas9](http://www.idtdna.com/CRISPR-Cas9)

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